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Gene detection seq N-ras probe 682C. Dog genomic marker Human ELF5 specifi Brome mosaic virus BMV 35kDa protein Human SAP140 intro

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iens.	antiser mation;	man phospholipid scramblase I antisense	-2003	AAD49257;	AAD49257 standard; DNA; 20 BP.	ULT 1	ALIGNMENTS		9.8 0.5 18 1	9.8	9.8 0.5 16 1	2 9 80 20 80 20 50 21 50	9.8 0.5 15 1	9.8 0.5 15 1	9.8 0.5 13 1	9.8 0.5 13 1	9.8 0.5 13 1	9.8 0.5 13 1	655 9.8 0.5 13 1	653 9.8 0.5 13 1	652 9.8 0.5 13 1	650 9.8 0.5 13 1	649 9.8 0.5 649 9.8 0.5	647 9.8 0.5 13 1	9.8 0.5 13 1	9.8 0.5 13 1	10 0.5	10 0.5 20 1	640 10 0.5 20 1	639 10 0.5 20 1	1000.5	10 0.5 19 1	10 0.5 19 1	634 10 0.5	10 0.5 17 1	10.2 0.5 20 1	10.2 0.5 17 1	10.2 0.5 16 1	10.4 0.5	10.4 0.5 19 1	10.4 0.5 19 1	10.4 0.5 17 1	10.4 0.5 17 1	10.4 0.5 13 1	10.4 0.5 13 1	10.4 0.5	10 4 0 5 13 1
iens.	antiser mation;	man phospholipid scramblase I antisense oligo, ISIS	-2003	AAD49257;	57 standard; DNA; 20	ULT 1	ALIGNMENTS		9.8 0.5 18 1 AAF61531	9.8 0.5 16 1 ABZ34454	9.8 0.5 16 1 AAI67032	9.8 0.5 15 1 ABK92613	9.8 0.5 15 1	9.8 0.5 15 1	9.8 0.5 13 1	9.8	9.8 0.5 13 1 ABH27588	9.8 0.5 13 1 ABF75878	655 9.8 0.5 13 1 ABF72519	653 9.8 0.5 13 1 ABF47339	652 9.8 0.5 13 1 ABF26077	650 9.8 0.5 13 1 ABF26076	648 9.8 0.5 13 1 ABF17146 649 9.8 0.5 13 1 ABF17147	647 9.8 0.5 13 1 ABF05663	9.8 0.5 13 1 ABC39593	9.8 0.5 13 1 ABC39592	10 0.5 20 1 ARV76077	10 0.5 20 1 AAH39830	640 10 0.5 20 1	639 10 0.5 20 1	10 0.5 19 1	10 0.5 19 1	10 0.5 19 1 AAZ32742	634 10 0.5 18 1 A2770132	10 0.5 17 1 AAX75191	10.2 0.5 20 1 AAZ23719	10.2 0.5 17 1 ABZ60910	10.2 0.5 16 1 AAO68049	10.4 0.5 20 1	10.4 0.5 19 1	10.4 0.5 19 1	10.4 0.5 17 1	10.4 0.5 17 1	10.4 0.5 13 1	10.4 0.5 13 1	10.4 0.5 13 1	10 4 0 5 13 1
iens.	antiser mation;	man phospholipid scramblase I antisense oligo, ISIS #1204	-2003	AAD49257;	57 standard; DNA; 20	ULT 1	ALIGNMENTS		9.8 0.5 18 1 AAF61531	9.8 0.5 16 1 ABZ34454	9.8 0.5 16 1 AAI67032	9.8 0.5 15 1 ABK92613	9.8 0.5 15 1 AAD15745	9.8 0.5 15 1 ABK55517	9.8 0.5 13 1 ABH53238 01	9.8 0.5 13 1 ABH27589 O	9.8 0.5 13 1 ABH27588	9.8 0.5 13 1 ABF75878	655 9.8 0.5 13 1 ABF72519	653 9.8 0.5 13 1 ABF47339	652 9.8 0.5 13 1 ABF26077	650 9.8 0.5 13 1 ABF26076	648 9.8 0.5 13 1 ABF17146 649 9.8 0.5 13 1 ABF17147	647 9.8 0.5 13 1 ABF05663	9.8 0.5 13 1 ABC39593	9.8 0.5 13 1 ABC39592	10 0.5 20 1 ARV76077	10 0.5 20 1 AAH39830	640 10 0.5 20 1 AAT29770	639 10 0.5 20 1 ABBOULTS	10 0.5 19 1 ABQ82081	10 0.5 19 1 ABQ81733	10 0.5 19 1 AAZ32742	634 10 0.5 18 1 A2770132	10 0.5 17 1 AAX75191	10.2 0.5 20 1 AAZ23719	10.2 0.5 17 1 ABZ60910	10.2 0.5 16 1 AAO68049	10.4 0.5 20 1 ABS09015	10.4 0.5 19 1 AAB59428	10.4 0.5 19 1 AAA84266	10.4 0.5 17 1 AAV97373	10.4 0.5 17 1 ABT34374	10.4 0.5 13 1 ABH2404S	10.4 0.5 13 1 ABH24044	10.4 0.5 13 1 ABF155/4 (	10 4 0 S 13 1 AREI 6574
iens.	antiser mation;	man phospholipid scramblase I antisense oligo, ISIS #120468.	-2003	AAD49257;	57 standard; DNA; 20	ULT 1	ALIGNMENTS		9.8 0.5 18 1 AAF61531	9.8 0.5 16 1 ABZ34454	9.8 0.5 16 1 AAI67032	9.8 0.5 15 1 ABK92613	9.8 0.5 15 1 AAD15745 Human	9.8 0.5 15 1 ABK55517 Selectin L	9.8 0.5 13 1 ABH53238 01	9.8 0.5 13 1 ABH27589 O	9.8 0.5 13 1 ABH27588	9.8 0.5 13 1 ABF75878	655 9.8 0.5 13 1 ABF72519	653 9.8 0.5 13 1 ABF47339	652 9.8 0.5 13 1 ABF26077	650 9.8 0.5 13 1 ABF26076	648 9.8 0.5 13 1 ABF17146 649 9.8 0.5 13 1 ABF17147	647 9.8 0.5 13 1 ABF05663	9.8 0.5 13 1 ABC39593	9.8 0.5 13 1 ABC39592	10 0.5 20 1 ARV76077	10 0.5 20 1 AAH39830	640 10 0.5 20 1 AAT29770	639 10 0.5 20 1 ABBOULTS	10 0.5 19 1 ABQ82081	10 0.5 19 1 ABQ81733	10 0.5 19 1 AAZ32742	634 10 0.5 18 1 A2770132	10 0.5 17 1 AAX75191	10.2 0.5 20 1 AAZ23719	10.2 0.5 17 1 ABZ60910	10.2 0.5 16 1 AAO68049	10.4 0.5 20 1 ABS09015	10.4 0.5 19 1 AAB59428	10.4 0.5 19 1 AAA84266	10.4 0.5 17 1 AAV97373	10.4 0.5 17 1 ABT34374	10.4 0.5 13 1 ABH2404S	10.4 0.5 13 1 ABH24044	10.4 0.5 13 1 ABF155/4 (	10 4 0 S 13 1 AREI 6574
iens.	; antisense; phospholipid scramblase I; immune disorder; cancer; mmation; hyperproliferative; antisense therapy; phosphorothioate;	man phospholipid scramblase I antisense oligo, ISIS #120468.	-2003	AAD49257;	57 standard; DNA; 20	UIT 1	ALIGNMENTS		9.8 0.5 18 1	9.8 0.5 16 1 ABZ34454	9.8 0.5 16 1 AAI67032	9.8 0.5 15 1 ABK92613	9.8 0.5 15 1 AAD15745	9.8 0.5 15 1 ABK55517 Selectin L Lymp	9.8 0.5 13 1 ABH53238 Oligonucleotide	9.8 0.5 13 1 ABH27589 Oligonucleotide	9.8 0.5 13 1 ABH27588 Oligonucleotide	9.8 0.5 13 1 ABF75878 Oligonucleotide	655 9.8 0.5 13 1 ABF72519 Oligonucleotide	653 9.8 0.5 13 1 ABF47339 Oligonucleotide	652 9.8 0.5 13 1	650 9.8 0.5 13 1 ABF26076 Oligonucleotide	648 9.8 0.5 13 1 ABF17146 649 9.8 0.5 13 1 ABF17147	647 9.8 0.5 13 1 ABF05663 Oligonucleotide	9.8 0.5 13 1 ABC39593	9.8 0.5 13 1 ABC39592	10 0.5 20 1 ARV76077	10 0.5 20 1 AAH39830	640 10 0.5 20 1 AAT29770	639 10 0.5 20 1 AAD49271	10 0.5 19 1 ABQ82081 Neospora caninum	10 0.5 19 1 ABQ81733	10 0.5 19 1 AAZ32742	634 10 0.5 17 1	10 0.5 17 1 AAX75191	10.2 0.5 20 1 AAZ23719	10.2 0.5 17 1 ABZ60910	10.2 0.5 16 1 AAO68049	10.4 0.5 20 1	10.4 0.5 19 1 AAB59428	10.4 0.5 19 1 AAA84266	10.4 0.5 17 1 AAV97373	10.4 0.5 17 1	10.4 0.5 13 1 ABH2404S	10.4 0.5 13 1 ABH24044 Oligonucleotide	10.4 0.5 13 1	10 4 0 5 13 1 BEF16574

Synthetic.

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                                                          Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel antisense compounds targeted to nucleic acids encoding phospholipid examblase. I for modulating gene oxpression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                     Sequence 20
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20; Conser
                                      Conservative |
                                                                                                               BP; 3 A; 8 C; 3 G; 6 T; 0 other;
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                                                       Pred. No.
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RESULT' 2
AND 9258/C
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                                                                                                                                               Novel antisense compounds targeted to nucleic acids encoding phospholipid scramblase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                      Claim 3; Page 76; 131pp; English
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Synthetic.
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The invention relates to an antisense compound acid molecule encoding phospholipid scramblase hybridises with and inhibits the expression of

t targetted to a nucleic I and which specifically phospholipid scramblase

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RESULT 3
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Matches
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                                                                                                                    05-APR-2001; 2001US-0828344
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                                       Bennett CF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         research reagent. The present sequence is human phospholipid scramblase I antisense oligonucleotide.
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                                    Wyatt JR;
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/mod_base= OTHER
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Novel antisense compounds targeted to nucleic acids encoding

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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human phospholipid scramblase I antisense oligo, ISIS #120471
                                                                                                                                                                                                                                                                                                                                                                                                                            Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 8 A; 3 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        phospholipid scramblase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 76; 131pp; English
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                                                                                                                                                                                                                                   "2'methoxyethyl nucleotides'
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Pred. No.
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Best Local S
Matches 20
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Synthetic.
                                                                                                                                                                                                                                                                                                                                  Human; antisense; phospholipid scramblase 1; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;
modified_base
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                                                          note= "2'methoxyethyl
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Pred. No.
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Best Local :
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                                                                                                                                                                           Homo sapiens
Synthetic.
                                                                                                                                                                                                                                                                                  Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate;
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"Phosphorothicate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0,
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ISIS #120474

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RESULT 7
AAD49263/c
ID AAD492
XX
AC AAD492
XX
DT 07-MAR
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                                                                                                       S
                                                                                                                                                                   Query Match
Best Local S
Matches 20
                                                                                                                                                                                          The invention relates to an antisense compound targetted to a nuclic acid molecule enceding phospholipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an inunicables portion of an active site on a nucleic acid molecule encoding phospholipid scramblase. I The invention is useful for inhibiting the expression of human phospholipid excamblase I in cells or tissues and for treating an animal haring a disease or condition associated with phospholipid scramblase I such as inflammation, an immune disorder and a hyperproliferative condition of grant procedure of the phospholipid scramblase I much as inflammation, an immune disorder and a hyperproliferative condition of grant procedure in the specific said as the procedure of the procedure and a hyperproliferative condition of grant procedure and a hyperproliferative condition of grant procedure and a hyperproliferative conditions.
07-MAR-2003
                  AAD49263
                                                                                                                                                                                                                                                                                                                    Claim 3; Page 76; 131pp; English
                                                                                                                                                                                                                                                                                                                                              Novel antisense compounds targeted to nucleic exids encoding phospholipid necrambiase; for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          modified_base
                                    AAD49263 standard;
                                                                                                                                                                  Sequence 20 BP; 5 A; 5 C; 7 G; 3 T; 0 other;
                                                                                                                                                                                      antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                                                                                                                           Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-APR-2001; 2001US-0828344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-APR-2002; 2002WO-US10529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200281495-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                SISI (-SISI)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                    Local Similarity
                                                                                                       814
                                                                                       20
                                                                                      TCCCTGCTGCCTTCAGGAGA 1
                                                                                                       TCCCTGCTGCCTTCAGGAGA 833
                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           Wyatt JR
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag=
/mod_ba
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mod_base= m5c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mod_base=
                                    DNA;
                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          base= m5c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      _base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "2'methoxyethyl nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "2'methoxyethyl
                                     20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mSc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER
                                    Вã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             m5c
                                                                                                                          0
                                                                                                                                   Score 20; DB 1;
Pred. No. 4.9;
                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleotides'
                                                                                                                          0;
                                                                                                                                             Length 20
                                                                                                                          Indels
                                                                                                                         0
                                                                                                                         Gaps
                                                                                                                         0
                cancer
                                                                                                                                                                                                                                     WPI; 2003-058495/05
                                                                                                                                                                                                                                                        Bennett CF,
                                                                                                                                                                                                                                                                                              05-APR-2001; 2001US-0828344
                                                                                                                                                                                                                                                                                                                  02-APR-2002; 2002WO-US10529
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human phospholipid scramblase I antisense oligo,
                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                           modified_base
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                20
                                                                                                                                                                                                                                                        Wyatt JR
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Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;
W0200281495-A1
                           /*tag= g
/mod_base=
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                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "Phosphor
                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                      mod_base=
                                                                                        *tag=
                                                                                                                   mod_base=
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                                                                                                                                                                                                                   note=
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                                                                                                                                                                                                                                                                              note=
                                                                                                                                                                                                                                                                                              mod_base= OTHER
                                                                                                                                                                   mod_base=
                                                                                                                                                                                                                   "2'methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                              "2'methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                         "Phosphorothioate backbone"
                             m5c
                                                                                                                        m5c
                                                                                                                                                                     m5c
                                                                                                                                                                                                                                   OTHER
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Novel entisense compounds targeted to nucleic acids encoding phospholipid exramblase I, for modulating gene expression and treating inflammation, immume disorders and hyperproliferative conditions e.g.

Claim 3; Page 76; 131pp; English

The invention relates to an antisense compound targetted to a nucleic acid molecule encoding phospholipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I in colls or tissues and for treating an animal having a disease or condition associated with phospholipid scramblase I, or which the expression of human phospholipid scramblase I, which is not a number of scramblase I are the proposition of the proposit research reagent. The present antisense oligonucleotide. sequence is human phospholipid scramblase I

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BP;
3 A; 4 C; 5 G; 8 T; 0 other;
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Query Match 1.0%; Score 20; DB 1;

Length 20

S

Local

Similarity

4.9;

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RESULT 8
AAD49264/c
ID AAD492
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Matches
The invention relates to an antisense compound targetred to a muchical cacid molecule encoding phospholipid extrablase I and which specifically hybridises with and imhibits the expression of phospholipid extrablase I or which hybridises with at least an a nucleokae active site on a mucheic acid molecule encoding phospholipid exambles active invention is useful for inhibiting the expression of human phospholipid scrambles of the compound of the composition of the co
                                                                                                                                                                                                                                                                                                                                                                                                                       Novel antisense compounds targeted to mucleic acide encoding phospholipid examblase. For modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g..
                                                                                                                                                                                                                                                                                                                        Claim 3; Page 77; 131pp; English
                                                                                                                                                                                                                                                                                                                                                                                                            cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-APR-2001; 2001US-0828344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human phospholipid scramblase I antisense oligo, ISIS #120475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAD49264;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ISIS-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; antisense; phospholipid scramblase I; immune disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              830 GAGATAGAAATCCAAGCTCC 849
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wyatt JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'mod_base= m5c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mod_base= OTHER
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; Mismatches
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RESULT 9
AAD49265/c
ID AAD49265
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Best Local
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                                                                            05-APR-2001; 2001US-0828344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; S A; 3 C; 7 G; 5 T; 0 other;
                                         Bennett CF,
                                                                                              02-APR-2002; 2002WO-US10529
                                                                                                               17-OCT-2002.
                                                                                                                                 WO200281495-A1
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                      Human; antisense; phospholipid scramblase I; immune disorder; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                       Human phospholipid scramblase I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense oligonucleotide.
                                                            (ISIS-)
                                                                                                                                                                                                                                                                                                                                                                                            inflammation; hyperproliferative; antisense therapy; phosphorothioate;
                        2003-058495/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         837
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                                                            ISIS PHARM INC
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                                         Wyatt JR
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                                                                                                                                                                                                                                "2'methoxyethyl nucleotides'
                                                                                                                                                                                                                                                                   "2'methoxyethyl
                                                                                                                                                                                                                                                                                                     "Phosphorothioate
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                       antisense oligo,
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                                                                                                                                                                                                                                                                    nucleotides"
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                                                                                                                                                                                                                                                                                                     backbone'
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Movel antisense compounds targeted to nucleic acids encoding phospholipid scramblase I, for modulating gene expression and treating

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RESULT 10
AAD49266/c
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                                         17-OCT-2002
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human phospholipid scramblase I antisense oligo, ISIS #120477
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antisense oligonucleotide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          standard; DNA;
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/mod_ba
                                                                                                                                                                                                                                                                                             Dom/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Phosphorothicate backbone"
                                                                                                                                         mod_base= m5c
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                                                                                                                                                                                                                                                                                                                                                                             note=
                                                                                                                                                                                                                                                                                                                                                                                                    mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note= "2'methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mod_base= OTHER
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                                                                                                                                                                                                                                                                                                 base= m5c
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; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
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RESULT/11
ADJ49267/c
ID ADJ49267/c
AD ADJ49267/c
AC ADJ492
XX
AC ADJ492
XX
AC Human
XX
AC 
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Novel antisense compounds targeted to nucleic acide encoding phospholipid scramblase 1, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-APR-2001; 2001US-0828344
Example 15; Page 77; 131pp; English.
                                                                          cancer
                                                                                                                                                                                                                                         WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                               Bennett CF, Wyatt JR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-APR-2002; 2002WO-US10529
                                                                                                                                                                                                                                                                                                                                                                                    ISIS PHARM INC
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The invention relates to an antisense compound targetted to a mulgic acid molecule encoding phospholipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I calls or itssues and for treating an animal having a disease or condition associated with phospholipid scramblase I, necessary the expression of human condition. The invention is useful for disposetics, therapeutics and as inflammation, an immume discorder and a hyperproliferative condition, e.g. cancer. The invention is useful for disposition, because of the condition of the Sequence 20 BP; 5 A; 4 C; 7 G; 4 T; 0 other; research reagent. The present sequence is human phospholipid scramblase I antisense oligonucleotide.

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Query Match
                                             rocar
                 844 AGCTCCTCCTGGTGTACCAA 863
20
                                     20;
                                            Similarity
AGCTCCTCCTGGTGTACCAA 1
                                    Conservative
                                            100.0%;
                                                      1.0%;
                                  0,
                                            Score 20;
Pred. No.
                                    Mismatches
                                                    DB 1;
                                  <u>.</u>
                                                  Length
                                  Indels
                                  0
                                  Gaps
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Human phospholipid scramblase I antisense oligo, ISIS #120478
                                                                                                                                                07-MAR-2003
                                                                                                                                                                                                        AAD49267;
                                                                                                                                                                                                                                                        AAD49267 standard; DNA; 20
        inflammation;
                                Human; antisense; phospholipid scramblase I; immune disorder; cancer;
                                                                                                                                                (first entry)
hyperproliferative; antisense therapy; phosphorothioate;
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modified_base
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                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                     Synthetic.
/*tag=
                                                                                                 /*tag=
                                                                                                                                                                            Location/Qualifiers
                           'note= "2'methoxyethyl nucleotides'
                                    /*tag= c
/mod_base= OTHER
                                                                                                                             note=
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                                                                                        mod base= OTHER
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     Q.
                                                                          "2'methoxyethyl
                                                                                                                           "Phosphorothioate backbone"
                                                                          nucleotides"
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RESULT 1

ADA9268/C

ID ADA9288/C

XX ADA932

XX ADA932

XX HUMAN

XX HUMAN
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Best Local
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                       modified_base
                                                                                                                                                                                                           Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;
                                                                                                               Homo sapiens
Synthetic.
                                                                                                                                                                                                                                                                                                  Human phospholipid scramblase I antisense oligo, ISIS #120479
                                                                                                                                                                                                                                                                                                                                                              07-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                      AAD49268;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD49268 standard;
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17..18
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12
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RESULT 13
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Best Local Similarity
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                                                                                                                                                                       Seguence 20
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                                                                                                                    Conservative
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                                                                                                                                Score 20; DB 1;
Pred. No. 4.9;
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07-MAR-2003 AAD49269

(first entry)

AAD49269 standard; DNA; 20 BP

Human

phospholipid scramblase I antisense oligo, ISIS #120480

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20

GCACCCATGTCTACCAAAG

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Query Match
Best Local S
Matches 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Movel antisense compounds targeted to nucleic acide encoding phospholipid scramblase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                  Sequence 20 BP; 3 A; 4 C; 7 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page
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/note= "2'methoxyethyl
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GGCACCCATGTCTACCAAAG 904

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Mismatches

Indels

0, Gaps 0

The invention relates to an antisense compound targetred to a multically hybridises with and inhibits the expression of phospholipid scramblase; I, or which hybridises with at least as an encleobase parties of an active site on a nucleise with at least as nucleobase parties of an active site on a nucleise acid molecule encoding phospholipid acramblase. I. The invention is useful for inhibiting the expression of human phospholipid acramblase I in cells or tissues and for treation or human phospholipid diseases or condition associated with phospholipid acramblas. If his manufaction, an immune disorder and a hyperproliferative condition of concern the invention is useful for disgnostics, therepeutics and acramblase I research research respect to the present sequence is human phospholipid acramblase.

Claim 3; Page 77; 13lpp; English.

4.9; 0

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RESULP 14
AD049270/G
ID AD0492
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                                                               Novel antisense compounds targeted to nucleic acids encoding phospholipid scramblase I, for modulating gene expression and treating infilammation, immune disorders and hyperproliferative conditions e.g.
Claim 3; Page 77; 131pp; English
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Pred. No.
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modified_base
                                                                                                           modified_base
                                                                                                                                                                                                             Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate;
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                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGTTGTGGAGATGTTGATT 989
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/mod_base= OTHER
/note= "2'methox
16..20
                                        /*tag=
                                                                                                                            Location/Qualifiers
                                                                     /note=
                                                                                  /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.0%;
          "2'methoxyethyl nucleotides"
                                                                   "Phosphorothicate backbone'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 20, DB 1;
Pred. No. 4.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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The invention relates to an antisense compound targetred to a mucliar acid molecule amoding phospholipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an 8-mucleobase portion of an active site on a mucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I restricted by the stream of the str
Sequence 20 BP; 6 A; 5 C; 3 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page 77; 131pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel antisense compounds targeted to nuclaic acids encoding phospholipid scramblase; for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-APR-2002; 2002WO-US10529
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/mod_ba
14..15
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Matches
                                                                                                                                       Query Match
Best Local Similarity
                                                                        AAD49274 standard; DNA; 20
                                                                                                               1020 TGGTTGGCAAAATTTCCAAG 1039
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                                                                                                                                20;
                                                                                                        TGGTTGGCAAAATTTCCAAG 1
                                                                                                                              1.0%;
milarity 100.0%;
Conservative 0
                                                                        BP
                                                                                                                                0
                                                                                                                                     Score 20; DB 1;
Pred. No. 4.9;
                                                                                                                                Mismatches
                                                                                                                                0
                                                                                                                                            Length 20
                                                                                                                                0
                                                                                                                                Gaps
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0

Human; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate;

Human phospholipid scramblase I antisense oligo, ISIS #120485

07-MAR-2003

(first entry)

Homo sapiens

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The invention relates to an antisense compound targetred to a muclically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an se-mulcobase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid deramblase I in cells or itseuse and for treating an animal having a disease or condition associated with phospholipid scramblase I, such as inflammation, an immune disorder and a hyperproliferative condition. Second of the capacities and a present respect respective production is sequenced in human phospholipid scramblase I.
                                                                                                                                                                             Claim
                                                                                                                                                                                                     cancer
                                                                                                                                                                                                          Novel antisense compounds targeted to nucleic acide encoding phospholipid scramblase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                 05-APR-2001; 2001US-0828344
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                                                                                                                                                                                                                                                              2003-058495/05
                                                                                                                                                                           3; Page 77; 131pp; English
                                                                                                                                                                                                                                                                                                           ISIS PHARM INC
                                                                                                                                                                                                                                                                                    Wyatt JR;
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15..16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "2'methoxyethyl nucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleotides
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Query Match 1.0%; So Best Local Similarity 100.0%; F Matches 20; Conservative 0;

Score 20; ; Pred. No. Mismatches DB 1;

0 Length 20 Indels

0; Gaps 0,

23-APR-2002

(first entry)

Sequence

20 BP; 5 A; 8 C; 1 G; 6 T; 0 other;

뭉 S

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RESULT 20
ABK30560
ID ABK3
                                                                                                                                                                                                         RESULT 19
AAZ36033/c
                                                                                                                                                                                                                             Co. This sequence is a probe for the mouse ide-1 gene, The probe it used in cot the method of the invention which relates to a novel quantitative reverse transcriptease polymerase chain reaction (RT-PCR) assay for quantitative comessaure of the expression of a gene of interest in a biological sample by contention also relates to a method for determining a quantitative contention also relates to a method for determining the effect of a contention of a quantitative measure of the expression of a gene of the superior of a gene of the superior of a gene of the superior of the superior of the gene of interest, in a sample by determining or a normalised RNA equivalent for the gene of interest a first untreated sample and a second treated sample. The methods are used for quantitative gene expression, where determination of changes in gene expression of the biological response to a treatment or drug. The method have uses in prognostic and diagnostic applications.
                                                                                                                                                  Best Local
Matches
                                                                                                                                                                               Query Match
ABK30560
                        ABK30560 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Probe; reverse transcriptase polymerase chain reaction; RT-PCR; gene expression; treatment; prognosis; diagnosis; ss; IGF-1 gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAZ36033;
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                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 21; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Quantitative analysis of gene expression using RT-PCR assays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-013272/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-APR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Probe for mouse IGF-2 gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                  964 GTGCAGCTGTTGTGGAGATGTTGA 987
                                                                                            24
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                                                                                                                                                  l Similarity
20; Conser
                                                                                                                                                                                                         24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Schoenfeld
                                                                                                                                                                                                       BP; 6 A; 11 C; 4 G; 3 T; 0 other;
                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-0065673
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                          DNA;
                                                                                                                                                               0.8%;
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                                                                                                                                                             Pred. No.
                                                                                                                                                                             Score 17.6;
                                                                                                                                                  Mismatches
                                                                                                                                                             27,
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                                                                                                                                                4
                                                                                                                                                                           Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                Gaps
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Human glioma-associated oncogene-1 antisense oligonucleotide ISIS 124892

Human; glioma-associated oncogene-1 associated disease; infection

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RESULT 21
AAD49339/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local
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Mus musculus
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to antisense compounds and methods for modulating the expression of human glioma-associated oncogene. In the antisense compounds, particularly antisense compounciectides, target and inhibit the expression of human glioma-associated oncogene. The
                                                                                                       Mouse; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate;
                                                                                                                                                                                                                                                                  07-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             glioma-associated oncogene-1, for modulating the gene expression and treating diseases associated with expression of the oncogene in humans
                                                                                                                                                                                                 Mouse phospholipid scramblase I antisense oligo, ISIS #120549
                                                                                                                                                                                                                                                                                                                          AAD49339
                                                                                                                                                                                                                                                                                                                                                                              AAD49339 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Column 45-46; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel antisense compounds targeted to nucleic acids encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-138363/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bennett CF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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                                                                        Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                             Novel antisense compounds targeted to nucleic acids encoding phospholipid scramblase 1, for modulating gene expression and treating inflammation, immune disorders and hyperprobiferative conditions e.g.
                                                                                                                                                                                                                                                            Claim 3; Page 79; 131pp; English
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                                                                                                                        Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 79; 131pp; English
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                                                                                                                        BP; 7 A;
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Novel antisense compounds targeted to nucleic acids encoding phospholipid acramhlase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.

cancer

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RESULT 24
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AC AND 9348/G
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AC AND 9348/G
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Key

Location/Qualifiers

Mus musculus Synthetic.

Mouse phospholipid scramblase I antisense oligo, ISIS #120548

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Mouse; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;

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RESULT 25
AD49338/G
TD AD49338/G
TD AD49338/G
AC AD493
AC AD493
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                                                                                                                                                                                                                                                                                                                     07-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                   AAD49338 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGGGTGCCAATAGGTTATGT 1
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                                                                                                                                                                                                                                                                                                                 (first entry)
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Pred. No. 2
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The invention relates to an antisense compound argetted to a multically careful molecule encoding phospholipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase I, or which hybridises with at least an 8-nucleohase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I or cells or tissues and for treating an animal laving a disease or condition associated with phospholipid scramblase I an immune disorder and a hyperproliferative condition, estimated the scramblase I are minimum disorder in the scramblase I are monthly the scramblase I are more condition.
                     antisense oligonucleotide
                                                                                                                                                                                   Claim 3; Page 79; 131pp; English
                                                                                                                                                                                                                  Novel antisense compounds rargered to nucleic acids encoding phospholipid excramblase; for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                05-APR-2001; 2001US-0828344
                                                                                                                                                                                                                                                                                                                                                                      02-APR-2002; 2002WO-US10529
                             research reagent. The present sequence is mouse phospholipid scramblase I
                                                                                                                                                                                                                                                                       WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                 Bennett CF,
                                                                                                                                                                                                                                                                                                                      (ISIS-) ISIS PHARM INC
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16..20
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nod
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "2'methoxyethyl nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "2'methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleotides
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Query Match Best Local S Matches 17

Local Similarity 94.4%; bes 17; Conservation

Pred. No. Score 16.4;

BB 1, )+ 7,

Length 20; Indels

0 Gaps c

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772 CATAACTCTGGAGAGACCACT 792

Matches

Similarity

0

Mismatches

3

Indels

0 Gaps

0

Sequence 20 BP; 6 A;

7 C; 2 G; 5 T; 0 other;

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RESULT 26
AAT94317/c
ID AAT943
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                                                                                                                                                                                                                                   con the isolation of costide from the DPG (deleted in pancreatic cancer, locally region, and gene identification. DPG deleted in pancreatic cancer, come to the isolation of costide from the DPG (deleted in pancreatic cancer, locally region, and gene identification. DPG deleted in pancreatic cancer, come the region of the pancreation o
                               Query Match
Best Local
                                                                                                             Sequence 21
                                                                                                                                                            contain such a deletion. This agent exploits the absence of an enzyme (or other protein) encoded by a neighbouring gene and lost by the deletion, i.e. it has a highly selective action.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 2; Page 56; 104pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Deleted in Pancreatic Cancer locus 4 polypeptide - and related nucleic acids, used in diagnosis and treatment of proliferative diseases, e.g. cancer of pancreas or other organs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1997-385290/35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hahn SA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-JAN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DPC4; pancreatic cancer; deleted; locus 4; diagnosis; human;
tumour suppressor gene; proliferative disease; bile duct; bladder;
colorectal; cancer; Crohn's disease; colitis; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-MAR-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYJO ) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-JAN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W09726271-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence tagged site; STS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human DPC4 sequence tagged site sense primer y899E8R
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0.8*,
ilarity 85.7*;
Conservative
                                                                                                     BP; 3 A; 3 C; 5 G; 10 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                           Score 16.2;
Pred. No. 45;
                                                  DB 1;
                                                  Length 21;
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AAX19757
ID AAX1
                                                                                                      RESULT 28
AAD49342/c
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                                                                                                                                                                               Query Match
Best Local Similarity
Matches 18; Conserv
Mouse; antisense; phospholipid scramblase I; immune disorder; oancer; inflammation; hyperproliferative; antisense therapy; phosphorothioate;
                                                                                                                                                                                                                                                          The present invention describes a purified polymodectide (T) corresponding to a mutant form of a connextu 36 polymptics implicated in a hereditary sensory defect, where the mutant preponsible for prelingual non-syndromic desfines. The present sensors represents a PCR primer for use in methods for the decision of a hereditary sensory defect, from the present invention. The methods from the present invention that methods from the present invention can be used to detect a hereditary ensory defect,
                                                                         AAD49342;
                                                                                                                                                                                                                                                                                                                                                              Polynucleotide corresponding to mutant in a method for detecting a hereditary
                               Mouse phospholipid scramblase I antisense oligo, ISIS #120552
                                                                                           AAD49342 standard; DNA; 20 BP
                                                                                                                                                                                                                       Sequence 23 BP; 2 A; 4 C; 7 G; 10 T; 0 other.
                                                                                                                                                                                                                                          the autosomal prelingual non-syndromic deafness for homozygous and heterozygous individuals.
                                                                                                                                                                                                                                                                                                                                           Claim 11; Page 40; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-181057/15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Connexin 26; human; mutant; prelingual hereditary non-syndromic sensorineural
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                                                                                                                                                                                                                                                                                                                                                                                                                                            (INSP ) INST PASTEUR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hereditary sensory defect; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Connexin 26 PCR primer SEQ ID NO:9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAX19757 standard;
                                                                                                                                                          947 AGTGGTCCATGTGTTGTGTGC 967
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                                                                                                                                            3 AGTGATTCCTGTGTGTGTGC 23
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                                                    (first
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                                                    entry)
                                                                                                                                                                                          0.8%;
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                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                   Score 16.2;
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                                                                                                                                                                                            Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                       Marlin-Duvernois S;
                                                                                                                                                                                                                                                                                                                                                              form of connexin 26 
sensory defect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        non-syndromic deafness; deafness; detection; ss.
                                                                                                                                                                                                   DB 1;
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•-
                                                                                                                                                                                                   Length 23
                                                                                                                                                                                Indels
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                                                                                                                                                                               Gaps
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RESULT 29
AAT29770
ID AAT2
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                                                                                                                             Matches
                                                                                                         Query Match
                                                                                                                          Sequence 20 BP; 6 A; 2 C; 6 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                           Claim 3; Page 79; 131pp; English
                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                                                                                  Bennett CF, Wyatt JR;
                                                                                                                                                                                                                                                                                                                                                                                                          05-APR-2001; 2001US-0828344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC
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                                                                                                Local Similarity
                                                           726 CTAGACCTTTTACCTTGAG 744
                                                 20
                                                                                      17;
                                              CTAGACCTTCACCTTAAG 2
                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "2'methoxyethyl nucleotides
16..20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     *tag=
                                                                                              89.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           base= OTHER
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                                                                                     0
                                                                                              Score 15.8;
Pred. No. 50;
                                                                                      Mismatches
                                                                                                         DB
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The invention relates to an antisense compound targetted to a nucleic acid molecule encoding phospholipid acramblase I and which specifically hybridises with and inhibits the expression of phospholipid foramblase I, or which hybridises with at lesst an 8-nucleobase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I no cells or tissues and for treating an animal having a disease or condition associated with phospholipid scramblase I, which as inflammation, an immune disorder and a hyperpositic patient condition, e.g. cancer. The invention is useful for disgnostics, therapsutics and as research reagent. The present sequence is mouse phospholipid scramblase I antisense oligonucleotide.
AAT29770 standard; cDNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel antisense compounds targeted to nucleic acide encoding phospholipid scramblase; for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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Matches
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Best Local
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                                                                            (SRLS-) SRL KK
                                                                                                                                              31-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                               JP07322881-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Diagnosis; hepatitis C virus; HCV; primer; amplify; detection; hypervariable region; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C diagnostic oligonucleotide MR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-OCT-1994;
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transgeric plant; salt-resistance; anti-drying; barley;
polymerase chain reaction; PCR; primer; ss.
                                                                                                                                                                                                                31-MAY-1994;
                                                                                                                                                                                                                                                                                             12-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-JUL-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT03667;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAT03667 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 6 A; 0 C; 5 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nicotiana tabacum cultivar SR1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Betaine aldehyde dehydrogenase gene - useful for conferring
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1996-253871/26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MITU ) MITSUBISHI CHEM CORE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Barley betaine aldehyde dehydrogenase (BADH) gene PCR 5' primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-NOV-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA;
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Pred. No. 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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Best Local
ANA91991.7 prepresent PCR primers used to amplify open reading frames and other mucleic acid sequences from the genome of chamydia pneumoniae (see ANX91990). C. pneumoniae causes respiratory disease such as pneumonia and bronchitis and is thought to be a contributing factor in heart disease, sarcoidosis, sinusitis, purulent office media, erythema nodosum or pharyngitis. The polypoptice scooded by the open reading frames of the C. pneumoniae genome (see ANY31990) can be used in immunogenic compositions as vaccines. Vectors containing C. pneumoniae nucleotides sequences oan also be used as immunogenic compositions, especially where the vector directs the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis;
sinustius; purulent chtis media; exytheme nodosum; pharyngitis;
vaccine; neutralising epitope; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           acts as primers to amplify region of the HCV genome, pref.

Appears. The amplified product is subjected to
Appears. The amplified product is subjected to the Appears.

MS2, MS3, MS4, MS5 or MS6 and an oligo selected from MR1, MR2 or MR1.
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                                                                                                                                                                                                                                                                                                                                                                                                   Page 1903; Disclosure; 1912pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Genome sequence of Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-357842/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Griffais R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-NOV-1998;
21-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Primer used to amplify Chlamydia pneumoniae polynucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The sequences given in AAT03664-73 are oligonucleotides which are used in the diagnosis of hepatitis C virus (HCV). These oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1996-064846/07.
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17; Conserv
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97FR-0014673
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0; Score 15.2; Pred. No. 7 Mismatches 70 DВ 1; 3, Length Indels

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controlleds this for determining the presence or absence of a SNP, using the collapse of the invention. The PCR primers are used to amplify a collapse of the invention. The PCR primers are used to amplify a collapse of the invention. The PCR primers are used to amplify a collapse of the oligonucleocides are useful for genotyping a nuclear acid sample by performing a single-mucleotide primer extension reaction. The collapse of the primer action of the presence, absence or cleantity of a SNP and for genotyping muclear acid samples, for e.g. to casses by association analysis the genotype of an individual or group of multivaluals, having a pathological phenotypic trait suspected of being caused by one or more SNPs. Phenotypic traits include disease e.g. agammaglobulinaemia, diabetes inspirades, secch-myhan syndrome, muscular dystrophy, familial hypercholesterolaemia, polycystic viduals according to the steogenesis imperfecte and acute intermittent porphyria. Phenotypic traits also include symptoms of or susceptibility to multifactorial diseases of which a component is or may be genetic such as autoimmure diseases, including, rhomatoid arthritis, multiple soleronia controlled in the collapse of the c
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                                                                                                                                                                                                                                                                                                                                                Sequences AM17205 - AM40944 represent PCR primers, single nucleotide primer extension (SNEE) Primers and the sequences of regions flanking sites of single nucleotide polymorphisms SNEs. The present invention sites of single nucleotide polymorphisms SNEs. The present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 63; 83pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         acid sample
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SNPS, genotyping, agammaglobulinaemia, diabetes insipidus, cancer, Lesch-Wyhan syndrome; muscular dystrophy; familial hypercholesterolemia, polycystic kidney disease, osteogenesis imperfecta, aucoimmum disease, acute intermittent porphyria, rheumatoid arrhritis, multiple sclerosis, acute intermittent porphyria, rheumatoid arrhritis, multiple sclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Picoult-Newburg L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ORCH-) ORCHID BIOSCIENCES INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-0CT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SNP specific lower PCR primer SEQ ID 2626
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP; 6 A; 6 C; 3 G; 5 T; 0 other;
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Pred. No. 7
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ID AAF692
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  AAD49343 standard; DNA; 20
                                                                                                                                                                                                                                               Sequence 20 BP; 8 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 3; Column 41; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-137069/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ISIS-) ISIS PHARM INC.
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                                                                                                                   967 CAGCIGITGTGGAGATGTTG 986
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                                                                                                                                                                                     Pred.
                                                                                                                                                                                                      Score 15.2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to an antisense compound 8 to 30 bases in leaguh targeted to the 5 untranslated (UTR) region, the codding region or the 3 UTR region bussa Integrin liked kinase (BIN) The antisense oligomolectides are useful for inhibiting the expression of human hig in human calls or tissues, in vitro. The oligomolectides can be willized for diagnostics in vitro. The oligomolectides can be willized for diagnostics, the treatment of diseases associated with the contract of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel antisense compounds capable of modilating expression of human Integrin-linked kinase, useful for diagnosis, prophylaxis and treatment of diseases, e.g. tumors, associated with expression of the kinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       the expression of hIK, prophylaxis e.g. to prevent or delay infection inflammation or tumor formation and as research reagent.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Integrin-linked kinase coding region targeted oligonucleotide #7.
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The invention relates to an antisense compound targetred to a nuclically card molecule encoding phosphoisipid scramblase I and which specifically hybridises with and inhibits the expression of phospholipid scramblase; or which hybridises with all least as a nucleokae portion of an active site on a nucleice acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase are in cells or tissues and for treating are named as scramblase. In cells or tissues and for treating are named as the disease or condition associated with phospholipid scramblase. But in the second of the second o
       Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel antisense compounds targeted to nucleic acids encoding phospholipid ecrambhase i, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 3; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-APR-2001; 2001US-0828344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse phospholipid scramblase I antisense oligo, ISIS #120553
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BP; 6 A; 2 C; 5 G; 7 T; 0 other;
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y Match 0.7%; Local Similarity 85.0%; hes 17; Conservative

0; Mismatches Score 15.2; Pred. No. 70

Claim 3; Page 79; 131pp; English

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RESULT 35
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ID AAD49347
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                            Novel antisense compounds targeted to nucleic acids encoding phospholipid acramblase; for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                WPI; 2003-058495/05.
                                                                                 Bennett CF,
                                                                                                                  05-APR-2001; 2001US-0828344
                                                                                                                                   02-APR-2002; 2002WO-US10529
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-MAR-2003
                                                                                                (ISIS-) ISIS PHARM INC
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                                                                                Wyatt JR;
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ANSESSES to ANZESS'S represent human biallelic markers from the present invention, which countails a polymorphic base at position 24 of their nuclection there is a present and the present an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an antisense compound rargetred to a nuclair acid molecule acading phospholipid caremblase I, particle with and inhibits the expression of phospholipid cramblase I, or which hybridsses with a test as a nucleobase portion of extree site on a nucleic acid molecule encoding phospholipid cramblase cit we site on a nucleic acid molecule encoding phospholipid phospholipid cramblase I in cells or tissues and for treating a natural naving a disease or condition expression that we have been accompanied to the condition of the properties of the condition expression expression of the condition expression expression
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haplotyping; hybridiastion; identification; characterisation;
amplification; single nucleotide polymorphism; SNP, PCR primer;
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Pred. No. 70
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
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8 S

Best Local Matches Query Match

l Similarity 17; Conserv

85.0%, 0.7%;

Score 15.2; b

DB 1;

Length

21;

Conservative

0;

Mismatches

ω,

Indels

0

Sequence 21

BP; 10 A; 6 C; 3 G; 2 T; 0 other;

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RESULT 37
ABZ21509
ID ABZ21
XX
AC ABZ21
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                The invention relates to a transformed silworm that has a polymucleotide encoding human collagen in its genomic DNA and produces recombinant human collagen as a part of protesins in its occoord oral silk gland. The transformant is for producing recombinant human collagen which can then be used for application in medicine, foods and commetics. The recombinant human collagen thus produced is highly pure and available easily in large quantities, which is highly safe, free from contenniants like pathogens including viruses and prions and does not show antigenicity in humans. The present sequence is that of a human collagen related silk worm polymucleotide PCR primer used in examples of the invention.
                                                                                                                                                                                                                                                                                                                                                              (NISC-)
                                                                                                                                                                                                   Transformed silkworm producing recombinant human collagen in silk gland, for application in medicine, foods and cosmetics
                                                                                                                                                                                                                                                                           Yoshizato K,
Munetsuna H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; collagen; silkworm; transgenic; cocoon; silk gland; medicine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human collagen related silk worm polynucleotide PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21 BP; 4 A; 0 C; 7 G; 10 T; 0 other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N.B. The SEC ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 2397 and 3367, are not actually given a sequence in the Sequence Listing from the present invention.
                                                                                                                                                                         Example 2; Page 55; 63pp; Japanese.
                                                                                                                                                                                                                                                WPI; 2003-093134/08
                                                                                                                                                                                                                                                                                                                                                (TERU )
                                                                                                                                                                                                                                                                                                                                                                                                       18-APR-2001; 2001JP-0120155
                                                                                                                                                                                                                                                                                                                                                                                                                              11-JUN-2001; 2001WO-JP04906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200286119-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bombyx mori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABZ21509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABZ21509 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 treatment
                                                                                                                                                                                                                                                                                                                        (NAAG-)
                                                                                                                                                                                                                                                                                                                                    ROKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         effects from pharmaceutical agents acting on a disease as well as other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      976 TGGAGATGTTGATTTTGAGA 995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cosmetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                _
                                                                                                                                                                                                                                                                                                                  NAT INST AGROBIOLOGICAL SCI.
                                                                                                                                                                                                                                                                                                                                              JAPAN SCI & TECHNOLOGY CORP.
HIROSHIMA IND TECHNOLOGY ORG
TERUMO CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                    KOKEN KK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGGAGTTGTTTTTTAAGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                         Tomita M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cDNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21
                                                                                                                                                                                                                                                                                         Satou T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        뭐
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.2;
Pred. No. 77
                                                                                                                                                                                                                                                                                       Mori H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                         Tamura
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                                                                       Adachi
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                                                                                                                                                                                                                  cocoon
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AAZ70085/c
ID AAZ700
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AAZ00580/c
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                                                                                                     RESULT 39
                                                                                                                                                                      Matches
                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                        This invention describes the isolation of novel human polymucleotides encoding glypican-ralized proteins e.g.ypican-6 (GPC4). The invention also describes the polymucleotide and encoded protein sequences of glypican-1 (GPC1), glypican-2 (GPC3) and glypican-6 (GPC5). The products of the invention can be used to diagones and treat disorders and diseases, particularly those involving abnormal call growth and behaviour, such as scentic overgrowth and them formation. ARZ00560-Z00580 represent primars used in the amplification of GPC4.
  Human genome; biallelic marker; high density disequilibrium map
                      Human biallelic marker upstream amplification primer SEQ ID NO:4441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             olypican, GPC1; GPC3; GPC4; GPC5; GPC5; GPC6; human; glypican-related protein, glypican-6; glypican-1; glypican-1; glypican-3; glypican-5; dlagnosis, treatment; abnormal; cell proveth; cell behaviour; somatic overgrowth; tumour formation; primer; ss.
                                           10-SEP-2001
                                                               AAZ70085
                                                                                AAZ70085 standard; DNA; 18 BP
                                                                                                                                                                                                          Sequence 20 BP; 4 A; 5 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                 New polynucleotides encoding glypican-related proteins, used to diagnose, e.g. tumor formation
                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-469128/39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human GPC4 primer PR11-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-0CT-1999
                                                                                                                                                                                                                                                                                                              Example 2; Page 33; 79pp; English
                                                                                                                                                                                                                                                                                                                                                                                  David GJF,
                                                                                                                                                                                                                                                                                                                                                                                                    (VLAA-) VLAAMS INTERUNIVERSITAIR INST BIOTECHNOG
                                                                                                                                                                                                                                                                                                                                                                                                                        27-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                           20-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W09937764-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ00580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ00580 standard; DNA;
                                                                                                                                                 787 ACCACTAAGATGTAG 801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         783
                                                                                                                                15 ACCACTAAGATGTAG 1
                                                                                                                                                                     15;
                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAGACCACTAAGATGTAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACAGACCACTAAAATGAAGC 20
                                                                                                                                                                                                                                                                                                                                                                                  Veugelers MPD
                                                                                                                                                                      Conservative
                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                        98EP-0200226
                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-EP00329
                                                                                                                                                                               100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       βB
                                                                                                                                                                     0,
                                                                                                                                                                               Score 15;
; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         802
                                                                                                                                                                     Mismatches
                                                                                                                                                                               ) DB 1;
0. 77;
                                                                                                                                                                     0;
                                                                                                                                                                                     Length 20
                                                                                                                                                                     Indels
                                                                                                                                                                    0,
                                                                                                                                                                  Gaps
                                                                                                                                                                  0
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                                                                                                                                                                                                                                  Matches 16;
                                                                                                                                                                                                                                                    Query Match
                            Synthetic.
Mus sp.
modified_base
                                                                                   Murine B7-2 targetted oligonucleotide 11354.
                                                                                                                            AAV48067;
                                                                                                                                              AAV48067 standard; DNA; 20
                                                        celi proliferation
                                                                   88; mouse;
                                                                                                        19-0CT-1998
                                                                                                                                                                                                                                                                                            trom
                                                                                                                                                                                                                                                                                                                        treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cohen D,
                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                               1049 GGAATTITGAGAGAGGCA 1066
                                                                                                                                                                                            18 GGAATGTTGAAAGAGGCA 1
                                                                                                                                                                                                                                          Similarity 88.9%;
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B7; T cell; inflammation; autoimmune disease; cell activation;

Location/Qualifiers

(first entry)

ΒP

Conservative

0; Pred. No. Score 14.8; Mismatches BG ٠. 2

0.7%;

Length 18; Indels

0,

Gaps

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AX35559 to AX35578 represent human biallelic markers from the present invention, which contain a polymorphic base at postion 24 of their nucleotide sequences axa55579 to AX377440 represent amplification primars for the biallelic markers of the health contains a variety of usees they can be used for high density mapping of the human genome, and in complex ascordation studies and hablotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and disponses reproduce the support of the containing the development of characterisation of the differential efficacious responses to an side of the representation of the differential efficacious responses to an side of the containing the differential efficacious responses to an side of the containing the containing of the containing the containing
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Sequence 18 BP; 3 A; 7 C; 1 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-013267/01.
                                                                                                                                                                                                         N.B. The SEQ ID NOs 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and 3367, are not actually given a sequence in the Sequence Listing
                                                                                                                                                                                                                                                                                                                                                                                                                             effects from pharmaceutical agents acting on a disease as well as other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 8; Page 1178; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          map of the human genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-APR-1998;
23-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GEST ) GENSET
                                                                                                                                                    the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98US-0082614
98US-0109732
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :0
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RESULT 41
AAZ23719/c
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                CytB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The oligomolectides which specifically hybridies to growing its expression (and thus T cell activation and proliferation). This is expression (and thus T cell activation and proliferation). This is a particularly useful for treatment (should be seen myestheria gravis, crew's disease, should old attribute a liberation of the seen should arthritis shill are process. The proliferation of the seen should be seen that the should be seen that the shill are processed in the should be seen that the shill are provided to manipules the should be used to manipule T cell activation are assay and purification reasoned.

By protein appreciator, for disposing as assay and purification reasoned.
   Discrimination of an individual by using loach Cytb gene - involving
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 M. fossilis Cyth primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New Oligo:nucleotide(s) that modulate expression of E7 proteins -
used for, e.g. controlling activation and proliferation of T cells,
particularly for treatment, diagnosis and prevention of inflammation
                                                               WPI; 1999-613776/53
                                                                                                                                                                     25-MAR-1998;
                                                                                                                                                                                                                                                                   05-0CT-1999
                                                                                                                                                                                                                                                                                                                           JP11266869-A
                                                                                                                                                                                                                                                                                                                                                                         Misgurnus fossilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-DEC-1996;
                                                                                                             (KENS-) KENSETU GIJUTSU KENKYUSHO
                                                                                                                                                                                                                      25-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ23719 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 41; 120pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bennett CF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and to study physiological roles of 87 proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        815
                                                                                                                                                                                                                                                                                                                                                                                                                                                loach;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCGTGCTGCCTACAGGAG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCCTGCTGCCTTCAGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 BP; 3 A; 8 C; 6 G; 3 T; 0 other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                detection; identification; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vickers TA.
                                                                                                                                                                 98JP-0077001
                                                                                                                                                                                                                  98JP-0077001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96US-0777266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97WO-US23270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Phosphorothioate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
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0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ٥,
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       an
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RESULT 42

AZCO4493

ID AZCO4493

XX AZCO4493

XX PCR P

XW Parat

XW Parat

XW Parat

XW Wacosi

X
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Best Local
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28-NOV-1997;
17-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Griffais R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ04493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amplification process
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W09928475-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 CACCCCTGGCTACCAAAG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16;
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밁 S

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loach individual using the Misgurmss fossilis Cyrb gene. The products of the invention can be used to detect a mutation of the loach Cyrb gene. ARZ3712-Z37125 represent primers used in the amplification and isolation of the M. fossilis Cyrb protein described in the method of the
                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 4; llpp; Japanese.
                                                                                                                                     Sequence 20 BP; 3 A; 3 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                  This invention describes a novel method for the discrimination of a
887 CACCCATGTCTACCAAAG 904
                                                                      Similarity
                                              Conservative
                                                                  0.7%;
                                           0;
                                                                  Score 14.8;
Pred. No. 86
                                              Mismatches
                                                                                          B
                                                                                          ۳.
                                           22
                                                                                      Length 20
                                              Indels
                                           0;
                                        Gaps
                                           o,
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AAZ04493 standard;
(first entry)
                                         DNA;
                                         20
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paratrachoma; inclusion conjunctivitis; genital disease; perihepatitis; nongonococcal utetritis; epidymatis; cervictitis; salpingitis; PCR primer; bartholinitis; pneumopathy; venereal lymphogranulomatosis; ss. Vaccine; eye disease; conventional trachoma; nonendemic trachoma; PCR primer used to amplify an ORF of Chlamydia trachomatis.

Chlamydia trachomatis

98US-0107077 97FR-0015041 97FR-0016034 98WO-IB01939

(GEST ) GENSET

WPI; 1999-371125/31

Genome sequence of Chlamydia trachomatis

Disclosure; Page 1693; 1755pp; English

PCR primers ANZO1426-206209 were used to amplify open reading frames (ORTS) of the genome of Chlamydia trachomatis (see ANZO1425). These ORTS encode polypeptides (see ANZ01425) which can be used as vectimes against Chlamydia trachomatis. Antienne and tiboxyme sequences can also be used to control growth of the microorganism. Chlamydia trachomatis is responsible for a large number of diseases, e.g. eye diseases such as conventional trachoma, nonendemic trachoma, and inclusion conjunctivitis, genified diseases such as nongonococcal urcentitis, epidymitis, cervicitis, salpingitis, perihepatitis, batrbolinitis; penumpathy in breast feeding infants; perihepatitis, batrbolinitis; penumpathy in breast feeding infants; incuttom may be of use at treating these diseases. These ORFs

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RESULT 44
AAF32909
ID AAF32
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                                                                                                                                                                                                                                                                                                                                                                                              RESULT 43
AAZ57197
                                                                                                                                                                                                  멼
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                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Ches 16; Conserv
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes the a method for acreening potential inhibitors of the expression of the Pax4 gene by contacting the potential inhibitors with pencreatic beta cells and measuring the expression of the gene in these cells is new, Substances identified by the screening method potentiate the expression of the Pax4 gene in pancreatic beta cells and accelerate the expression of insulin gene in those cells. The method can be used in the treatment of disorders in which the exhaustion of pencreatic beta cells is involved, such as diabetes. The present sequence represents a PCR primer which is used in the exemplification of the present invention.
                                  AAF32909
                                                                            AAF32909 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 18; 38pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-097752/08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ueda
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; activin A; Pax4 gene; expression; potentiator; insulin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ57197;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Screening potential Pax4 gene potentiators, used in treatment of,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (YAMA ) YAMANOUCHI PHARM CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                _5-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9966073-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pancreatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse TBP PCR primer TF205 SEQ ID NO:11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
hes 16; Conser
                                                                                                                                                                                                                                        972 GTTGTGGAGATGTTGATT 989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        803
                                                                                                                                                                                                  N
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                                                                                                                                                                                                  GTTGCTGAGATGTTGATT 19
                                                                                                                                                                                                                                                                                                                                                                                          20 BP; 3 A; 1 C; 8 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATCIGITGTTGCCCCTGC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGCIGITGITGICCCIGC 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        beta cell; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP; 1
                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98JP-0167976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-JP03182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Þ
                                                                                                                                                                                                                                                                                                                 0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 C; 5 G; 8 T; 0 other;
                                                                               BP
                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Score 14.8; D
; Pred. No. 86;
0; Mismatches
                                                                                                                                                                                                                                                                                                                 Score 14.8;
Pred. No. 8
                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
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                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                         0;
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RESULT 45
ARG93574
ID ARG93
XX
AC ARG93
XX
DY 16-OC
XX
DE Human
XX
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Human; Disrupted In Schizophrenia 1; DISCI; neurobeptic; gene therapy; neuropsychiatric disorder; schizosffective disorder; bipolar disorder; unipolar affective disorder; adolescent conduct disorder;

schizophrenia; SNP; single nucleotide polymorphism; ss.

Human DICS1/DISC2 polymorphism disc43a.

16-OCT-2002 ABQ93574;

(first entry)

ABQ93574 standard; DNA; 21

딿

23-JAN-2002; 2002WO-US02186

01-AUG-2002

#0200258637-A2

Homo sapiens

S Matches

815 CCCTGCTGCCTTCAGGAG 832

CCGTGCTGCCTACAGGAG 18 Conservative

16; Similarity

0; Mismatches

۲, 2

Length 20 Indels

0 Gaps

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Query Match
Best Local
                                                 Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 other;
                                                                                               the treatment of inflammatory and autoimmune disorders, including asthma, juvenite diabetes medilius, myasthenia gravis, Graves' disease, rheumatoid arthritis, allograft rejection, inflammatory boxel disease, multiple sclerosis, psoriasis, systemic lupus erythematosus, contact
                                                                                                                                                               The present invention provides sequences of antisense oligonucleotides targeted at the murine and human B7-1 and B7-2 coding and mRNA sequences The antisense sequences have phosphorothicate backbones and some nucleotides are 2'-methoxyethoxy residues. The sequences can be used in
                                                                                                                                                                                                                                                                                  Novel compound for diagnosing, preventing and treating immune disorders, computating an oligonucleotide that specifically hybridizes with a nucleic acid sequence encoding B7 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; mouse; B7-1; B7-2; antisense; PCR primer; inflammation; autoimmune disorder; phosphorothioate backbone; ss.
                                                                                dermatitis, rhinitis, allergies and cancer.
                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-049991/06
                                                                                                                                                                                                                                                                                                                                                                                         Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAY-2000; 2000WO-US14471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human B7-2 mRNA antisense oligonucleotide SEQ ID NO: 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-MAR-2001 (first entry)
                                                                                                                                                                                                                                                     Example 1; Page 53; 162pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200074687-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                         Vickers TA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0326186
0.7%;
                                                                                                                                                                                                                                                                                                                                                                                         Karras JG
Score 14.8;
Pred. No. 86;
                 DB
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ABK86759/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aure invention relates to a novel Disrupted-In-Schizophrenia (DISC) 1 alloley variant polymucleotide. The polymeptides of the invention have neuroleptic activity. The polymucleotides may have a use in gene therapy. DISC1 or DISC2 nucleic acid molecules are useful for diagnosing or treating a subject having a disease or disorder associated with specific DISC1 or DISC2 alleles and/or oberrant DISC1 expression or activity e.g. neuropsychiatric disorder such as schizoaffective, bipolar, unipolar affective or adolescent conduct disorder or schizophrenia, Similarly, the compound that inhibits DISC1 protein activity may be used in the method for treating such neuropsychiatric disorders. The sequences shown in ARQ3564-ARQ3574 represent the polymorphic sites and boundary sequences present in DISC1.
                              Dikero-P-diuconic acid reductases, isolated from the environment using polymerase chain reaction methods, useful to provide new catalysts with desirable traits for industrial processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2,5-diketo-D-gluconic acid reductase c; DKGRc; aldo-keto reductase; glucose; ascorbic acid; 2-keto-L-glionic acid; vitamin C; immunogen; catalytic efficiency; thermal stability; solvent tolerance; pH optimum; PCR; primer; s8; pI-14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New human Disrupted-In-Schizophrenia (DISC) 1 and DISC3 genes
containing single nucleostide polymorphisms, useful for preventing or
treating neuropsychiatric disorders e.g. schizophrenia
                                                                                                                                                                                                                                                                                              04-OCT-2000; 2000US-0684385
                                                                                                                                                                                                                                                                                                                                                02-OCT-2001; 2001WO-US42445
                                                                                                                                                                                                                                                                                                                                                                                                                                                          W0200229019-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCR primer, 14L3, used to amplify 2,5 DKG reductase c (clone pI-14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABK86759 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5;
                                                                                                                                         WPI; 2002-463231/49
                                                                                                                                                                                           Donnelly M,
                                                                                                                                                                                                                                            (GEMV ) GENENCOR INT INC
                                                                                                                                                                                                                                                                                                                                                                                                     11-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 9 A; 5 C; 4 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-590791/63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Meyer JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-JAN-2001; 2001US-0770107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MILL-) MILLENIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 831 AGATAGAAATCCAAGCTC 848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAAAGAAATCGAAGCTC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page 107; 169pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Barrington-martin R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                           Eschenfeldt WH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
Въ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 14.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred.
                                                                                                                                                                                           Trent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Parker A,
                                                                                                                                                                                       ç,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Barnes GT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ٥,
RESULT 47
AAF02994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##8888888888888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                뭉
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  contribular in Pantoes sp., is useful for converting glucose to secondic contribution by the best cell under conditions suitable for the expression of ROME, Chucose is first converted to 2.5-dikero-ploconic carid by engagenous oxidases and this is then reduced engagenous oxidases and this is then reduced engagenous oxidases and this is then reduced engagenous converted to 2.5-dikero-ploconic carid by a hesteria, professor or the convert glucose to the train of bacteria, because the convert glucose to the convert glucose to the convert glucose to the convert glucose to vitemin C in care single organism. DNGS processor or their frequents and derivatives are useful as immunogens to produce antibodies useful in creaming the convert converted to convert organisms and samples. These extitions are employed to correspond to the corresponding of the corresponding to 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                 Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The investigation discloses the isolated polypeptide, and polypucotide encoding it. 2-diktero-pjuconic acid reductase (DKS) which is a member of the aldo-keto reductase superfamily. The reductase, in
                                                                                                                      protein, interferon alpha
                                                                                                                                                                                                                                                                               Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                       11-APR-2000; 2000WO-US09721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAF02994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF02994 standard; DNA, 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 6 A; 6 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA extracted from soil samples.
                                                                                                                                                                                                                                 WPI; 2000-647423/62
                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-0CT-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200061729-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ribozyme; erythropoietin; granulocyte colony stimulating factor; interferon alpha; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hammerhead ribozyme substrate #1289.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 30; 58pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ,5-diketo-D-gluconic acid reductase c (DKGRc) gene (clone pI-14) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              876 TTCAGACTIGGCACCCAT 893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21 TTGAGACTTGGCACGCAT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                  Zwick M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry
                                                                                                                                                                                                                                                                                                                                                                                             9905-0129390
                                                                                                                                                                                                                                                                               Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.7%;
                                                                                                                  and erythropoietin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. 95;
                                                                                                                                                                                                                                                                           McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
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Length 21 Indels

0 Gaps

0

묽 S

The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes

Claim 37; Page 85; 164pp; English

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protein and interferon alpha.

encoding the TR2 Orphan receptor, BAR2/COUP-TP-1, the GAPA transcription factor gen. IRP-2 and/or the CAPT Displacement Protein (CDP). Inhibition (of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of consequently increases expression of genes involved in the production of crypthropoletin, granulocyte colony stimulating factor

밁 S

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RESULT 48
ABZ10940/c
CC differentiating between hematopoietic cell proliferative disorders catacidated with at least 1 gene and/or their regulatory regions in a catolic them. The method comprises contacting a target models acid in a complete contacting a target models acid in a complete contacting a target models acid in a complete contacting at target models acid in a complete contacting acid in a contac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local :
Matches 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Detecting and differentiating between hematopojetic cell proliferative disorders, comprises contacting a target muchaic acid with a reagent that distinguishes between methylated and non-methylated CpG that distinguishes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Berlin K, Braun A, Distler J, Guetig D
Olek A, Piepenbrock C, Adorjan P, Grab
Lewin A, Lipscher E, Maier S, Model F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene therapy; lymphocytic leukaemia; acute myelogenous leukaemia; cytosine methylation state; probe; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a method for detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 15; Page 71; 117pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dinucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-018942/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2001; 2001US-278333P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAR-2002; 2002WO-EP03401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-OCT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Haematopoietic cell proliferation disorder related oligonucleotide #1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-JAN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABZ10940 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 7 A; 0 C; 6 G; 4 T; 0 other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pelet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (EPIG-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
hes 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1048 TGGAATTTTGAGAGAG 1063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              haematopoietic cell proliferation disorder; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EPIGENOMICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGGAATATTGAGAGAG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Schwope I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , Maier S, 1
Ziebarth H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Guetig D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ĕ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G, Lesche
Mueller V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Howe A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ۲,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mueller J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Otto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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enerosis polypeptides that couse long Of syndrome. EEE concision and potential polypeptides that couse long Of syndrome. EEE concision and potential this ion channel. SCMSA concise cardiac solin channel. All this ion channel. SCMSA concises a cardiac solin channel like of matching this solin channel. SCMSA concises thought to cause chromosome 1-linked long Off. The probes applitied by them per sequences that hybridise to the concision mutant sequences of the invention put on not hybridise to him encoding the mutant sequences of the invention and the support of the sequences of the invention of the support of the s

mutants.

DMA. The amplified sequences can then be used as probes for the mutant HERG sequences of the invention. The mutant SUNA coding sequence of the invention, and the mutant HERG coding sequence of the invention both

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AAT35504/c
ID AAT359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     related sequences and their complements, and as primers for the amplification of inhematopoietic cell proliferation disorder related DNA sequences. The nucleotide sequences from the present invention can also be used for detecting a predisposition to, differentiation between subclasses disposit, prognosis, treatment addor monitoring of haematopoietic cell proliferative disorders. The present method enables a highly specific classification of haematopoietic cell proliferative disorders allowing for improved and informed treatment of patients.
                                                                                                                                                                                                        Example 7; Page 49; 145pp; English
                                                                                                                                                                                                                                  DNA encoding diagnosis of
                                                                                                                                                                                                                                                                                            Curran ME,
                                                                                                                                                                                                                                                                                                                                            09-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                       20-APR-1995;
                                                                                                                                                                                                                                                                                                                                                                               08-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                    19-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer 14R for human HERG corresponding to intron III
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT35504 standard; cDNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 9 A; 4 C; 1 G; 4 T; 0 other;
                                                                                                                                                                                  AAT35489-T35507 represent amplification primers for human HERG genomic
                                                                                                                                                                                                                                                                                                                  (UTAH ) UNIV UTAH RES FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                              W09628537-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PCR; polymerase chain reaction; primer; amplify; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                     1996-433814/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    983 GTTGATTTTGAGATTA 998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \ensuremath{\mathsf{QT}} syndrome; potassium ion channel; cardiac sodium channel, 3-linked long \ensuremath{\mathsf{QT}}; ss.
                                                                                                                                                                                                                                                                                            Keating MT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                 mutant SCNSA and
long QT syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry
                                                                                                                                                                                                                                                                                                                                          95U8-0401512
                                                                                                                                                                                                                                                                                                                                                       9508-0426118
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                                                                                                                                                                                                                                                                                            Sanguinetti MC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.4;
Pred. No. 8
                                                                                                                                                                                                                                               HERG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                             polypeptide(s) - useful
                                                                                                                                                                                                                                                                                        Wang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCNSA; probe;
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                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                              Matches
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Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
         19~JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a HERG protein having a mutation compared to wild-type HERG, and is useful for developing products for the diagnosis, prevention and treatment of long QT (LQT) syndrome. The products and methods can be used for the diagnosis of subjects with LQT syndrom. The bused to screen for drugs for treating or preventing LQT syndrome. The HERG mucleic acids can also be used for gent between the HERG specified can be used for peptide scan be used for peptide son between the therapy, Begnerose AAA07607-623 represent PCR primers for SSCP analysis of the HERG gene.
                                                 AAL46072
                                                                                     AAL46072 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-195319/17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Keating MT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HBRG; mutation; long QT syndrome; LQT syndrome; gene therapy; SSCP; human; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 3 A; 6 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 3 A; 6 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 6; Page 69; 163pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated mutant HERG nucleic acids, useful for developing products for the diagnosis, prevention and treatment of long QT syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer 14 R for SSCP analysis of HERG gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA07620;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAA07620 standard; DNA; 19 BP
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                                                                                                                                                                                                                                                                           Local Similarity
hes 15; Conserv
                                                                                                                                                                                                                                   1039 GCACTGGACTGGAATT 1054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1039 GCACTGGACTGGAATT 1054
                                                                                                                                                                                              19 GCACTGGACTGGAAAT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCACTGGACTGGAAAT 4
                                                                                                                                                                                                                                                                              Conservative
         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Splawski I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    98US-0122847
99US-0226012
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                                                                                         DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.7%;
                                                                                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                   Score 14.4; DB 1;
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                                                                                                                                                                                                                                                                                                Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.4;
                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ٠,
                                                                                                                                                                                                                                                                                                                   Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 19;
                                                                                                                                                                                                                                                                              Indels
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                                                                                                                                                                                                                                                                        0;
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                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                        0,
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                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 52
AAA28061/c
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AC AAA280
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Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to a method of inhibiting the proliferation of a breast or prostate cancer cell which expresses a probactin receptor comprising exposing the cell to a G129 substituted variant of human probactin or a cell-free truncated probactin receptor. The methods and variants are used to treat human breast and prostate cancer and proliferative disorders indusing appropriation to call expressing the prolactin receptor and the prolactin variants also act as antagonists at the prolactin receptor. The present sequence is a PCR primer used to isolate the human prolactin CDMA.
                  31-AUG-2000
                                                          WO200050454-A1.
                                                                                                                                             misc_feature
                                                                                                                                                                                                                                         Androgen-induced tumour suppressor; androgen shutoff gene 3; AS3; chromosome 1312-13; cell proliferation inhibitor; prostate cancer; diagnosis; treatment; cytostatic; human; ds.
                                                                                                                                                                                                                                                                                                                               Human androgen shutoff gene intron/exon 5 boundary sequence
                                                                                                                                                                                                                                                                                                                                                                             01-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                        AAA28061;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human prolactin variants and their use in treating breast or prostate cancer, and in methods of inducing apoptosis .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; prolactin; prolactin variant; cancer; breast cancer; cytostatic; antiproliferative; prostate cancer; PCR; primer; ss.
                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAA28061 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 2 A; 2 C; 7 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI, 2000-038947/03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human prolactin coding sequence PCR primer #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Examples; Page 31; 84pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-MAY-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 799 TAGCAGCTGTTGTTGT 814
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     l Similarity
15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Wagner TE;
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                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                    /*tag=
                                                                                                                                          Location/Qualifiers
12..13
                                                                                               note= "Intron/exon 5 boundary"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
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0 Gaps 0

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RESULT 53
AAZ48616
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Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    proliferation and use as marker for the efficient diagnosis and treatment of prostate cancer. The invention includes AS3 cMNA and protein sequences, a vector comprising the cDNA sequence, a host cell transfected with the expression vector, and a method for producing an AS3 polyephide comprising culturing the transfected cells. AS3 has cynostatic activity, and acres to suppress cell proliferation. The AS3 gene is useful as a marker for the efficient diagnosis and treatment of prostate cancer. The AS3 nucleic mediation of gene expression. The AS3 process may be used as a source of antisense agents for sequence specific mediation of egene expression. The AS3 process may be used in the treatment of disorders caused by aberrant modification or mutation of a gene encoding an AS3 protein may be compared to the AS3 content to the AS3 content and the content process and the content process content process.
                                                                                                               11-MAY-1999;
                                                                                                                                               18-NOV-1999
                                                                                                                                                                                  WO9958142-A1
                                                                                                                                                                                                                                                               PCR primer; prolactin; human; proliferation inhibitor; breast cancer; prostate cancer; prolactin receptor; therapy; proliferative disorder; apoptosis induction; therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                     03-MAR-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                     AAZ48616 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 5 A; 4 C; 2 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention relates to a human androgen-induced tumour suppressor cDNA sequence termed "Androgen Shuroff Gene 3" (ASJ). The ASJ gage is located on chromosome 13 at position 13012-130, ASJ has a role in inhibiting cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human androgen-induced tumor suppressor cDNA sequence termed 'Androgen Shutoff Gene 3' (AS3), useful as a marker for the efficient diagnosis and treatment of prostate concer .
            (CHEN/) CHEN W Y. (WAGN/) WAGNER T E.
                                                                05-FEB-1999;
                                                                               12-MAY-1998;
                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                    PCR primer for human prolactin gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Fig 5; 152pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-FEB-2000; 2000WO-US04732
                                                                                                                                                                                                                sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2000-565451/52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TUFTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATGTTCTAAAAATAAG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATGTACTAAAAATAAG 948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          represents the boundary between a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sonnenschein C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COLLEGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0121461
                                                             9908-0246041
                                                                               98US-0085128
                                                                                                             99WO-US10232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Geck P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.4; DB 1;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Szelei J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AS3 intron and exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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AAZ48621
ID AAZ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This sequence represents a PCR primer for the human prolactin gene of the invention realizes to a method of inhibiting the proliferation of a breast or prosease cancer cell which expresses a prolactin receptor comprises exposing the cell to an effective concentration of a variant of human prolactin having a substitution of the glycine at position 190 or a cell-free truncated prolactin receptor. The explod is used to treat human breast and proteste cancer and proliferative disorders. The method is also useful for inducing apoptosis in ceals expressing the prolactin receptor. Nino provided in a cell-based setsgonists at the prolactin receptor. The provided in a cell-based assay system that can be used to identify compounds that modulate prolactin receptor.
                                                                        Use of human prolactin variants to treat breast or prostate cancer, methods of inducing apoptosis -
                                                                                                                      WPI; 2000-062263/05
                                                                                                                                                Chen WY,
                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                           PCR primer; prolactin; human; proliferation inhibitor; breast cancer; prostate cancer; prolactin receptor; therapy; proliferative disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-MAR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ48621;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 2 A; 2 C; 7 G; 9 T; 0 other;
                                                                                                                                                                          (CHEN/) CHEN W Y. (WAGN/) WAGNER T S.
                                                                                                                                                                                                                  05-FEB-1999;
                                                                                                                                                                                                                                12-MAY-1998;
                                                                                                                                                                                                                                                            11-MAY-1999;
                                                                                                                                                                                                                                                                                        18-NOV-1999
                                                                                                                                                                                                                                                                                                               W09958142-AJ
                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ48621 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example; Page 23; 77pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         methods of inducing apoptosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of human prolactin variants to treat breast or prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-062263/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen WY, Wagner TE;
                                                                                                                                                                                                                                                                                                                                                                                 apoptosis induction; therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       799 TAGCAGCTGTTGTTGT 814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 TAGCAGTTGTTGT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                              Wagner TE
                                                                                                                                                                                                                                                                                                                                                                                                                                       for human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                  99US-0246041
                                                                                                                                                                                                                                9803-0085128
                                                                                                                                                                                                                                                          99WO-US10232
                                                                                                                                                                                                                                                                                                                                                                                                                                     prolactin gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       æ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.4; DB 1;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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This sequence represents a PCR primer for the human prolectin gene. The invention relates to a method of inhibiting the proliferation of a breast or prostate cancer cell which expresses a prolactin receptor

Example; Page 30; 77pp; English

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RESULT 55
AAZ38493
ID AAZ3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                        08-APR-1999;
                                                                                                                                             08-APR-1999;
                                                                                                                                                                                                                      US5998148-A
                                                                                                                                                                                                                                                                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       chemotherapy; tumour; drug sensitivity; antisonse; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            comprises exposing the cell to an effective concentration of a variant of buman prolectin having a substitution of the glycine at position 129 or a cell-free truncated prolactin receptor. The method is used to track human breast and prolacted cancer and prolactative disorders. The method is also useful for inducing apoptosis in cells expressing the prolactin receptor. The prolactin variants acre as antagonists at the prolactin seceptor. Also provided is a cell-based asset system that can be used to
WPI; 2000-052543/04
                                  Bennett CF,
                                                                        (ISIS-) ISIS
                                                                                                                                                                                07-DEC-1999
                                                                                                                                                                                                                                                                                           modified base
                                                                                                                                                                                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hybridisation; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Microtubule associated protein 4; MAP4; real-time quantitative PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human microtubule-associated protein 4 (MAP4) antisense oligo #28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-FEB-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ38493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAZ38493 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              identify compounds that modulate prolactin receptor activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   799 TAGCAGCTGTTGTTGT 814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 TAGCAGTTGTTGTTGT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 BP; 2 A; 2 C; 7 G; 9 T; 0 other
                                  Ackermann EJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                     PHARM INC
                                                                                                           99US-0289368
                                                                                                                                             99US-0289368
                                                                                                                                                                                                                                                                                                                                                                   /mod_b;
                                                                                                                                                                                                                                                   /*tag= e
/mod_base= m5c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                           note= "2'
                                                                                                                                                                                                                                                                                                                              mod
                                                                                                                                                                                                                                                                                                                                                 /*tag= d
                                                                                                                                                                                                                                                                                                                                                                                                    /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "2/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         base=
                                                                                                                                                                                                                                                                                                                                                                                   base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Phosphorothicate linkages'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                                                                           methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                              OTHER
                                                                                                                                                                                                                                                                                                                                                                                   m5c
                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            research; diagnostic; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                      methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 14.4;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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Length 20

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Microrubule associated proteins comprise a group of proteins that mediate microrubule assembly and function which is required for Cyroskeletel integrity. MAY is a member of the non-neuronal extructural MAP family and is believed to affect microrubule dynamics by stabilisting the microrubule lattice. MAY expression has been shown to be elevated in cella with mutant p33 oncogene expression, and is therefore linked to cancer cheencheapeutic drug sensitivity. These antisense molecules are useful for treating animals, particularly humans, having or being prome to a disease or condition associated with the expression of MAP4. The oligonucleotides are also useful for research and diagnostic
                                                                                                                                                                                                                                                                                                      This sequence represents a preferred antisense oligonouloctide targetted against the gene encoding human microtubule resociated protein 4 (MAP4). Thibbition of MAP4 expression was measured by determination (MAP4).
Sequence 20 BP; 1 A; 5 C; 6 G; 8 T; 0 other;
                                               applications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 3; Column 39; 39pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         microtubule protein expression -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense oligonucleotides for inhibiting microtubule-associated protein 4 expression, useful in treating disorders associated with
                                                                                                                                                                                                                                                                                                      human neonatal dermal fibroblasts and human embryonic keratinocytes
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RESULT 56
ADA9340/c
ADA9340/c
XX
ADA939
AC
ADA Matches Query Match Best Local modified\_base modified\_base modified\_base 07-MAR-2003 (first entry) modified\_base modified\_base Mus musculus Synthetic. Mouse; antisense; phospholipid scramblase I; immune disorder; cancer; inflammation; hyperproliferative; antisense therapy; phosphorothicate; Mouse phospholipid scramblase I antisense oligo, ISIS #120550 AAD49340; AAD49340 standard; 712 TIGCIGIGGGCCATCT 727 4 TTTCTGTGGGCCATCT 19 15; Similarity Conservative /\*tag= e /mod\_base= m5c /\*tag= d /mod\_base= /note= Location/Qualifiers note= \*tag= note= mod\_base= OTHER DNA; 20 93.8%; base= OTHER "2'methoxyethyl nucleotides' "2'methoxyethyl nucleotides' "Phosphorothioate backbone" mSc OTHER ₿₽ 0, Score 14.4; DB 1; Pred. No. 1.1e+02; Mismatches Indels 0 Gaps

modified\_base

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                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an antisense compound targetred to a muchical cacid molecule encoding phospholipid scramblase I and which specifically hybridises with and sinhibits the expression of phospholipid scramblase I, or which hybridises with at least as I-muleobase portion of an active site on a nucleic acid molecule encoding phospholipid scramblase I. The invention is useful for inhibiting the expression of human phospholipid scramblase I in cells or tissues and for treating an animal having a disease or condition associated with phospholipid scramblase I, such as inflammation, an immune disorder and a hyperproliferative condition, e.g. cancer. The invention is useful for dispossion, therapeutics and as
         14-NOV-2002
                                     WO200290384-A2
                                                             Aspergillus niger
                                                                                                    Antimicrobial;
                                                                                                                                                          03-MAR-2003
                                                                                                                                                                                    ABV76077;
                                                                                                                                                                                                             ABV76077 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                               research reagent. The present sequence is mouse phospholipid scramblase I antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3; Page 79; 131pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel antisense compounds rargered to nucleic acids encoding phospholipid scramblase I, for modulating gene expression and treating inflammation, immune disorders and hyperproliferative conditions e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-058495/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-APR-2001; 2001US-0828344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-APR-2002; 2002WO-US10529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-0CT-2002
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                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                Local Similarity
les 15; Conserv
                                                                                                                                                                                                                                                                                                      704
                                                                                                                                                                                                                                                                               20 ACTCGAAATTGCTGTG 5
                                                                                                                                                                                                                                                                                                ACCCGAAATTGCTGTG 719
                                                                                                                        niger antimicrobial polypeptide gene forward primer 93
                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                     BP; 5 A; 5 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wyatt JR;
                                                                                                                                                        (first entry)
                                                                                                  fungicide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag= g
/mod_base=
16
/*tag= h
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/mod_base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mod_base= m5c
                                                                                                                                                                                                                                                                                                                                            93.8%;
                                                                                                                                                                                                                                                                                                                                                          0.7%;
                                                                                                antibacterial; infection; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        m50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               m5c
                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                              Score 14.4; DB 1;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                          1.1e+02;
                                                                                                                                                                                                                                                                                                                                                          Length 20
                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                              0
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New DNA construct comprising a DNA sequence encoding an anti-microbial polypeptide, useful as veterinarian or human therapeutic or prophylactic agent for treating or preventing bacterial or fungal
                                                                                                                                                                  WPI; 2003-111956/10
                                                                                                                                                                                                                                        Hansen MT
                                                                                                                                                                                                                                                                                                                                                                        04-MAY-2001; 2001DK-0000706
                                                                                                                                                                                                                                                                                                                                                                                                                                        03-MAY-2002; 2002WO-DK00289
infection -
                                                                                                                                                                                                                                                                                                   (NOVO ) NOVOZYMES AS
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Example 1; Page 28; 45pp; English

The present sequence is that of degenerate PCR primer 33, which was designed from an antifungal peptide of Ampergillus niger, It is 1 of 3 forward primers (see ABV76076-78) and 3 reverse primers (see ABV76079-81) based on the antifungal peptide that were used in an example from the invention. Degeneration was used to cover most consent on the basis of Ampergillus codon use. PCR was performed on the antimicrobal polypeptide (see ABP5051) was codon an antimicrobal polypeptide (see ABP5051) was codonated an antimicrobal polypeptide (see ABP5051) was codonated. The isolated game is used in a claimed DNN construct for the recombinant production of A. niger antimicrobal polypeptide (see ABP5051) was codonated. The isolated game is used in a claimed DNN construct for the recombinant production of A. niger antimicrobal polypeptide is useful as a veterinary or the attendant of prophylactic agent for treatment or prevention of a bacterial or fungal (especially Ampergillus oryses or A. niger of the attendant of prophylactic agent for treatment or prevention of a bacterial or fungal infection (claimed), and can also be used on a tight of the articular or prophylactic agent for treatment or prevention of a bacterial or fungal infection (claimed), and can also be used on a tight of the control of the action of anti-dandruff products.

Sequence 20 BP; 8 A; 5 C; 1 G; 2 T; 4 other;

Matches Local 945 TARGIGGICCATGIGITGIG 964 l Similarity
15; Conserv 0.7%; milarity 75.0%; Conservative 2 Score 14.4; D Pred. No. 1.1e 2; Mismatches 4; DB 1; 1.1e+02; Length 20; Indels 0 Gaps 0

RESULT 58
AAT76346
ID AAT7

맑 Š

20 TARTTRGTRCARGTGTTGTG 1

AAT76346 standard; DNA; 19 Bp

AAT76346;

15-SEP-1997 (first entry)

Human fibronectin antisense oligonucleotide HUMFNA/HSFIB1AS14

Asthma; airway epithelium; adenosine free; cystic fibrosis; chronic obstructive pulmonary disease; bronchitis; ss.

Synthetic.

W09640162-A1

19-DEC-1996

06-JUN-1996; 96WO-US09306

07-JUN-1995; 95US-0474497

(UYBC-) UNIV EAST CAROLINA

Metzger WJ

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RESULT 59
AAZ32742
ID AAZ3:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                              This sequence represents a variant of primer T7, used with Neospora caninum MAG1 PCR primer bd252 (AAZ32741) in PCR to map one end of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                neonatal death; congenital infection; encephalitic dieease, paralysis; pathogenir, entigen; excretory, secretory, modified coll; vaccine; differential; diagnosis; detection; antibody; ecreening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HUMPRA/HSFIEIAS14 specific for the human fibromectin. The method can be used to treat airway diseases such as cystic fibrosis, asthma, chronic obstructive pulmonary disease, bromchitis and other airway diseases characterised by an inflammatory response. By elminating adenosine from the antisense ON, its liberation upon antisense degradation is prevenced, thereby preventing adenosine antisense that the degradation is prevenced, thereby preventing adenosine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A method for treating airway disease in a subject has been produced, which involves the topical administration of an essentially adenosine free antisense oligomucleotide (ON) to the airway epithelium of the subject. The present sequence is an antisense oligonucleotide
a lambda clone containing DNA encoding the Neospora caninum proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-MAR-1998;
15-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EP953641-A2
                                                                                                                    Example; Page 24; 59pp; English
                                                                                                                                                                                 against neosporosis
                                                                                                                                                                                                               Polypeptides encoding Neospora caninum proteins, useful for vaccines
                                                                                                                                                                                                                                                                       WPI; 1999-621834/54
                                                                                                                                                                                                                                                                                                                           Brake DA, Madura RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteriophage t7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense therapy; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GRA1; GRA2; SAG1; MIC1, MAG1; protozoan; parasite; neosporosis; abortion;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer T7 variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAZ32742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ32742 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 19 BP; 0 A; 7 C; 3 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 5; Page 36; 71pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treatment of airway diseases such as asthma - by topically applying adenosine-free antisense oligo:nucleotide to airway epithelium of
                                                                                                                                                                                                                                                                                                                                                                                        (PFIZ ) PFIZER PROD INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1997-051871/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           809 IGTIGTCCCTGCTGCCTTC 827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGTTGTCTCTTCTGCCCTC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    98US-0079389
98US-0112282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99BP-0301746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.7%;
                                                                                                                                                                                     and
                                                                                                                                                                                                                                                                                                                                Durtschi BA,
                                                                                                                                                                                 as diagnostic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 14.2; DB 1;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                Krishnan
                                                                                                                                                                             reagents
                                                                                                                                                                                                                                                                                                                                BR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 19;
                                                                                                                                                                                                                                                                                                                                Yoder SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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New antisense oligonucleotides used in treatment of, e.g. pulmonary

WPI; 1999-229400/19.

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888888888888888888888888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Compressions related disease has also been reported in goats sheep and concess. The invention relates to movel is calted Neongoac caninum proteins GRA1, GRA2 (AAYS0131), SAGI (AAYS0132), MICL (AAYS0133) and MICL (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), MICL (AAYS0133) and MICL (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), SAGI (AAYS0133), CGAA, SAGI, MICL (AAYS0133), CGAA, SAGI, MICL (AAYS0134), CGAA, CGAA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense oligonucleoide; multiple target; antisense treatment; impaired respiration; inflammation jung disease; plimonary vasoconstruction; inflammation, allergic thintis; plimonary vasoconstruction; historia cute astham; allergy astham; allergy asthon; blimonary tespiration; blimonary vasoconstruction; emplysemm; plimonary byseremsion; plimonary vasoconstruction; emplysemm; clinocary vasoconstruction; emplysemm; clinocare vasoconstruction; emplysemm; clinocare vasoconstruction; emplysemm; clinocare vasoconstruction; emplysemm; clinocare vasoconstruction; emplysemm; emplys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MAG1 (AAY50134) and GRA1 (AAY50130). Neospora is a pathogenic protozoan parasite of mammals that is a major cause of abortion, neonatal death, congenital infection, and member of the theospora canium infects dogs, and congenitally infects pups, often leading to paralysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX54148 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 3 A; 4 C; 6 G; 6 T; 0 other;
                                                                                                                                                                                                                            (UYEC-) UNIV EAST CAROLINA
                                                                                                                                                                                                                                                                                                              09-JUN-1998;
17-SEP-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                            17-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-MAR-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W09913886-AJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      prostate cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human fibronectin antisense oligonucleotide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diagnosis or as antisense molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SAG1, MIC1 and MAG1 nucleotides may be used in differential disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      667 GAGGGITTACTTTGCAGCG 685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity 84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAGAGTTTGCTTTGCACCG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                        98US-0093972
97US-0059160
                                                                                                                                                                                                                                                                                                                                                                                                                            98WO-US19419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             õ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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vasoconstriction

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RESULT 61
AAF19714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Low adenosine antisense oligonuclectie, phosphorothicate; allergy; human; airway disorder; bronchoconstriction; lung inflammation; surfactant depiction; respiratory; broncholodiator; antinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasconstriction; stebna; zub; respiratory discress syndrome; pain; cytic fibrods; allergic rhinitis; pulmonary hypertension; emphysema; pulmonary transplantation rejection; pulmonary hypertension; emphysema; pulmonary transplantation rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antisense treatment of diseases and conditions "Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, impeded inflammation, allergic chinitis, source asthma, allergies, asthma, impeded respiration, respiratory discress syndrome, pain cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary of the pulmonary vasoconstriction, between such as leukemias, lymphomas, carcinomas e.g. colon concer, breast cancer, hepatocas inspation metastases, as well as all types of cancers which may metastasize the pulmonary disconsideration of cancers which may metastasize
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              non-coding regions of RNAs corresponding to target genes, gene initiation codons, genemic flamking regions, intron-exon borders, the first ation codons, genemic flamking regions between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived from sequences ANXSETZ-74. These multiple target
WPI; 2000-679539/66
                                                                                                                                                                                                                                                             06-APR-1999;
                                                                                                                                                                                                                                                                                                                               24-MAR-2000; 2000WO-US08020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and
                                                                       Мусе ЈЖ
                                                                                                                                         (UYEC-) UNIV EAST CAROLINA (NYCE/) NYCE J W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200062736-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chronic obstructive pulmonary disease; pulmonary infection; bronchitis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Numan fibronectin polynucleotide fragment #1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF19714 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 0 A; 7 C; 3 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or have metastasized to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             oligonucleotides (specifically AAX55180-271) can be used for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 55; 120pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            809 TGTTGTCCCTGCTGCCTTC 827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGTTGTCTCTTCTGCCCTC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                       9908-0127958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 14.2;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and
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Claim 14; Page 220; 1592pp; English.
                                                                                             cancers and respiratory obstructions -
                                                                                                                               Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating
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The present invention describes low adenosine (A)

Linky reasy, when you have you provided and continued and pulmonary transplantation rejection, pulmonary infections, bronchitis and/or cancer. AAR19434 to AAR19434 represent human polynuclectide fragments and antisense oligonucleotides used in the exemplification of immunosuppressive, antiasthmatic, hypotensive and cytostatic activities
The antisense oliconucleorides and ID can be used to down-regulate the
expression and or settivity of target polypeptides associated with the present invention. oligonucleotides and compositions (I) comprising them. In the antisense oligonucleotides the A is replaced by a 'Universal' or alternative base hypertension, emphysema, chronic obstructive pulmonary disease (COPD) can have respiratory, bronchodilator, antiinflammatory, analgesic,

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Query Match
        Sequence 19 BP; 0 A; 7 C; 3 G; 9 T; 0 other;
Local Similarity 84.2%;
   0.7%;
Score 14.2;
Pred. No. 1
.1e+02
   DB
  Length 19;
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809 TGTTGTCCCTGCTGCCTTC 827

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Matches

16; Conservative

0; Mismatches

Indels

0; Gaps

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AAA85816
Cyclin B1 ribozyme binding site #145.
                                                                          AAA85816;
                                   04-DEC-2000 (first entry)
                                                                                                         AAA85816 standard; DNA; 19 BP
                                                                                                                                                                                           TGTTGTCTCTTCTGCCCTC 19
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restenosis; ss Ribozyme; hairpin; hammerhead; gene therapy; vasotropic;

06-DEC-1999; 08-JUN-2000 WO200032765-A2 Mammalia 99WO-US28772

04-DEC-1998; (IMMU-) IMMUSOL INC. 98US-0110954

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AAA33592
ID AAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; adenosine receptor; low adenosine antisense oligomoclootide; phosphorothioste, impaired respiration, inflammation; allergy allergy obsesses bronchocomstruction, inflammation; antisiffumatory; antisilargic antisathmatic, oytoesta; analesio; impaired alread; antistation of the control 
                                                                                                                                                                                                                        New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstriction, inflammation, allergies, asthma, hypertension,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases other than cell-cycle dependent kinases other form and cyclin BI. Representative examples of ribozyme recognition sites are given in AAA82415 to AAA66787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme into cells.
     The present invention describes a new composition comprising
                                                                                 Claim 18; Page 425; 1343pp; English
                                                                                                                                                                                             bronchitis, emphysema, respiratory distress syndrome,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cancer; leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Low adenosine antisense oligonucleotide SEQ ID NO:1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New hairpin and hammerhead ribosyme for inhibiting restenosis, cleaves
RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1,
PCNA and Cyclin B1 .
                                                                                                                                                                                                                                                                                                                                               WPI; 2000-205971/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYEC-) UNIV EAST CAROLINA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200009525-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 4 A; 1 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 efficient
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 98; 109pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-412314/35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in restenosis treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Welch
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0095212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99WO-US17712
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lymphoma; carcinoma; metastasis; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Robbins
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                             ischemia or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
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AAH60978
ID AAH60
888888888888888888888888888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   matrix metalloprotesinase; growih factor; reductase; scarring; cyrostatic; antipaoviatic; dermatological; antisaovrheic; antidiabetic; virucide; antisaokling; ophthalmological; kesatolytic; gene therapy; viral wart; atopic degreatis; actinic keratosis; squamous cell carcinoma; acon; basai cell carcinoma; seborniec wart; vireocetinopaliy; scar;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; stin disease; stin disease; storiation; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modebtide sequences given in the sequence listing from the present invention, which correspond to SRQ ID NO:1 to 2815, and then the last 185 sequences are also called SRQ ID NO:1 to 185, but the sequences differ from the previously named sequences. SRQ ID NO:1,1 to 1680 (AAA3223 to AAA3292) are specifically claimed ons from the present invention do not match by with their corresponding SRQ ID NO: sequences given in the disclosure of the present invention do not match by with their corresponding SRQ ID NO: sequences given in the sequence listing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the ONE reduces side effects. The A-containing ONE break down with the release of decayadenesine which activates adenosine receptors causing bronchoconstriction and inflammation. AMA3213 to AAA3511 represent t
                                                                      Robbins JM,
                                                                                                                                                                                                                  26-OCT-1999;
                                                                                                                                                                                                                                                                                   26-OCT-2000; 2000WO-US29500
                                                                                                                                                                                                                                                                                                                                                                     03-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sickle cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cyclin B1 ribozyme binding site SEQ ID NO:3402.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAH60978 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 19 BP; 0 A; 7 C; 3 G; 9 T; 0 other;
                                                                                                                                                  (IMMO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200130362-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
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                                                                                                                                            IMMUSOL INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGTTGTCTCTTCTGCCCTC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGTTGTCCCTGCTGCCTTC 827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             retinopathy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                Tritz R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                  99US-0161532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88
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Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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WPI; 2001-300427/31

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RESULT 65
ABQ81733
ID ABQ81
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                       Novel isolated polypeptide from Neospora caninum microneme-associated protein, useful for preparing a vaccine against neosporosis -
                                                                                                   WPI; 2002-629646/68
                                                                                                                                             Brake DA,
                                                                                                                                                                                                                                       15-DEC-1998;
09-MAR-1999;
                                                                                                                                                                                                                                                                                                                            09-MAR-1999; 2002EP-0002961
                                                                                                                                                                                                                                                                                                                                                                           10-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neospora caninum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Neospora caninum SAG1 related PCR primer SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABQ81733 standard; DNA; 19 BP
                                                                                                                                                                                     (PFIZ ) PFIZER PROD INC
                                                                                                                                                                                                                                                                                 26-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                     EP1221487-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Neospora
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19 BP; 4 A; 1 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ribozyme (I) which cleaves RNA encoding a cytokine involved in inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Page 319; 408pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              matrix metalloproteinases, growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating proliferative skin or eye diseases and scarring, using ribozymes that cleave RNA encoding cytokines involved in inflammation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     976 TGGAGATGTTGATTTTGAG 994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           caninum; virucide;
neosporosis; SAGI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGGAGAGGTTGATGTCGAG 19
                                                                                                                                          Madura RA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                   98US-112282P
99EP-0301746
                                                                                                                                                                                                                                                                                 98US-079389P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     84.2%;
                                                                                                                                          Durtschi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCR; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antibacterial; microneme-associated 1; MIC1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.2;
                                                                                                                                          BA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              factors and cell-cycle dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        No.
                                                                                                                                          Krishnan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .1e+02;
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                                                                                                                                          BR
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                                                                                                                                       Yoder
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10 ADQ 22 OH ADQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 66
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-MAR-1998;
15-DEC-1998;
09-MAR-1999;
                                                                                                                                                                                                                                                                    Claim 7; Page 24; 54pp; English
                                                                                                                                                                                                                                                                                                            Movel Neospora caninum GRA2 protein useful for producing vaccines against neosporosis and as diagnostic reagents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EP1221485-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Neospora caninum
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 7; Page 24; 54pp; English
                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-637831/69
                                                                                                                                                                                                                                                                                                                                                                                                                               Brake DA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-MAR-1999; 2002EP-0002959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABQ82081;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABQ82081 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PFIZ ) PFIZER PROD INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               667 GAGGGTTTACTTTGCAGCG 685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GAGAGITTGCTTTGCACCG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                               Madura RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98US-079389P.
98US-112282P.
99EP-0301746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.7%;
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The invention relates to a purified or isolated polypeptide (I) chosen from a Nospora centinum microneme-associated (MIQ1) protein, a polypeptide having an amino acid seguence that is homologous to MIC1 protein, a polypeptide consisting of a portion of MIC1 protein (its homologue), their fusion protein or analogue or derivative of the above sequences. Polypublications and proteins of the invention are useful for proparing a vaccine against neceptoresis and other diseases or vaccine sequence is that of a virus. The polymolocitide is useful for preparing modified N. continum expressing a meant form of MIC1. The present sequence is that of a N. continum SMG1 related PCR primer of the invention.
Sequence 19 BP; 3 A; 4 C; 6 G; 6 T; 0 other.
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Score 14.2; DB 1;
Pred. No. 1.1e+02;
Mismatches
                Length 19
Indels
0
Gaps
0
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Neospora caninum SAG1 PCR primer SEQ ID NO:25 Neospora caninum; GRA1; GRA2; MIC1; SAG1; MAG1; vaccine; neosporosis;

Durtschi BA, Krishnan BR, Yoder SC;

The present invention describes a substantially purified or isolated polypeptide (1) as a polypeptide with an amino acid sequence that is homologous to an N. centnum GBA2 procesh (1) a polypeptide consisting of a portion of N. centnum GBA2 procesh (2) and polypeptide consisting of a portion of a nanlogue or derivative of (1) and period which is homologous to in analogue or derivative of (1) and period enterprocesh (2) and can be used for procesh (1) and a polypeptide and antibacterial activities and can be used for upoparing a waccine (11) and gainter homoporosis. (11) can be used for upoparing a waccine (11) gainter homoporosis. (1) is useful as defined for vectoristing a mammal againter homoporosis (1) is useful as diagnostic reagents, to acreen for Neosporosa specific antibodoise in blood

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Ababatata Ababat
                                                             Ce The sequences given in ABA00101-21 are primers which were used in the Cc isolation amplification and sequencing of N. cantinam cDMA; S. The C isolated cDMA to encode presime which may be used in vaccines against C measures. This primer was used to identify the SAO1 gene sequence to the Meospora putchins are useful as diagnostic reagents, to screen for the Meospora putchins in thiodies in blood or serum semples from animals, or a stringer into spolyhoral or menoclonal antibodies which are cuseful as diagnostic reagents and to streen for Meospora-specific properties of third samples from an animal. Primers compare specific polymicleotide molecule for use, or, in differential confidence diagnosis, or to encode or act as antisense molecules useful in gene regulation. The sequences of the polymicleotide molecules can also come regulation of the properties for use in a solution of the compared the molecules of the polymicleotide molecules can also come used to design primers for use in isolating homologous genes from the properties for the polymicleotide molecules can also the properties for a statistic of Meospora.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local
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Toxoplasma gondii; differential disease diagnosis; gene regulation;
GRR1; GRR2; MICI; MG01; microneme-associated procesh; PGR, amplify;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel Neospora caninum SAGI protein useful for producing vaccines against neosporosis and as diagnostic reagents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-MAR-1998;
15-DEC-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-620673/67
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bradyzoite-specific antigen; electron dense granule; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABA00112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PFIZ ) PFIZER PROD INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7; Page 24; 54pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        667 GAGGGTTTACTTTGCAGCG 685
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAGAGTTTGCTTTGCACCG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Madura RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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98US-112282P.
99EP-0301746.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Durtschi BA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Krishnan BR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.1e+02;
3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
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Sequence 19 BP; 3 A; 4 C; 6 G; 6 T; 0 other;

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ARGSUL78
ANOS1124
ANO
RESULT 69
AAV20060/c
ID AAV200
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Best Local Similarity
                            8661-TUL-998
                                                                                     AAV20060
                                                                                                                                  AAV20060 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The sequences (AAGS3077-GS3136) are used in the invention to detect specific genes without the use of radio-scorpes. Detection is carried out by hybridisation of denatured (ss) sample DNA with a (ss) nucleic acid probe, complementary to the target sequence. Hybridisation occurs on the surface of an electrode or optical fibre and detection is visualised by the addition of an entity that recognisee (ds) bybridised DNA and is electrochemically / photochemically active.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 2 A; 2 C; 10 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Detection method of gene without using radio-icotope - by hybridisation of nucleic acid probe which is single strand having complementary sequence of gene and single strand denatured sample
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 23; 26pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1993-382240/48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-FEB-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JP05285000-A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gene detection; radio-isotopes; target gene; electrode; detection; optical fibre; hybridise; hybridisation; electrochemical;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gene detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JUN-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-SEP-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ53124;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ53124 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83
                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                            795 GATGTAGCAGCTGTTGTTG 813
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       667 GAGGGTTTACTTTGCAGCG 685
                                                                                                                                                                                                                                                                            1 GTTGGAGCAGCTGGTGTTG 19
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                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92JP-0025621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         92JP-0242397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            electrolysis; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                              84.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.2; DB 1
Pred. No. 1.2e+02
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Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 20;
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RESULT 70
AAA66403/c
ID AAA664
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
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25-MAY-2000
                                                                                      W0200029615-A2
                                                                                                                                                                Canis familiaris
                                                                                                                                                                                                                                                                                      Dog; genome; genomic marker; radiation hybrid map; identification; chromosome location; gene marker; polymorphic microsatellite marker;
                                                                                                                                                                                                                                                                                                                                                                                                                 Dog genomic marker oligonucleotide sequence SEQ ID NO:265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-CCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA66403;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAA66403 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 9; 24pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Method for detecting mutation(s) by mismatch binding protein useful for separating mutation from non-mutated target polymucleotide in sample, used in early diagnosis of cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1998-130209/12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-DEC-1997
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                                                                                                                                                                                                                                                 phenotype; behaviour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PHAA ) PHARMACIA BIOTECH AB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 GTTGGAGCAGCTGGTGTTG 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP; 6 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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ELFS protein, useful for diagnosis, antibody generation and

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1. Da 299/263
1. Da 299/263
2. Ca Anzi Zi Anzi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for identifying and localising dog genes, since it covers approximately 80 % of the dog genome and provides a dense map integrating different types (i.e. Type I and Type II) of markers. The map and the dog genome and markers of complementary sequences) are especially useful to identify genes responsible for phenotypic and behavioural traits in dogs, to identify morbid genes, to analyse diseases and identify implicated genes in such diseases and theritalists, and to study dog pedigrees. They may also be useful for isolating corresponding human gene sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New radiation hybrid map of the dog, Canine familiaris, genome, useful for e.g. identifying genes implicated in phenotypic and behavioral traits or in genetic diseases and for studying dog pedigrees.
                                                        WPI; 2000-270820/23
                                                                                                                      Kola I,
                                                                                                                                                                              (MONU ) UNIV MONASH
                                                                                                                                                                                                                                       27-AUG-1998;
30-SEP-1998;
                                                                                                                                                                                                                                                                                                                               26-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                            09-MAR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                         W0200012695-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      autoimmune disease; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cell differentiation; therapy; diagnosis; cancer; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ELF5; human; ETS protein; transcription factor; cell proliferation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human ELF5 specific reverse PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-JUL-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ94263;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ94263 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 2 A; 6 C; 3 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        e.g. genes involved in genetic diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes a radiation hybrid map of the dog
(Canine familiatis) genome comprising the genome location of a marker
selected from AAA66139 to AAA66942. The radiation hybrid map is useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 64; 87pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-387821/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Galibert F, Andre C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CNRS ) CNRS CENT NAT RECH SCI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    917 AATGAGAAAAGAGAGGATG 935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                      Zhou J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AATGACAAAAGCCAGGATG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                       98AU-0005512
98AU-0006252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      98US-0108193.
                                                                                                                                                                                                                                                                                                                               99WO-AU00691.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-IB01907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           딞
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
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Gaps

screening tool for agents capable of modulating transcriptional events during cellular functioning such as in tumorigenesis, comprises an ETS

Example 10; Page 58; 114pp; English

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                 The invention relates to a method for selecting optimal subsequence antisense targets. The method involves preparing antisense regress of target makes the capture of inhibiting subsequences of target makes sequences, as well as antisense oligonucles to great of binding DNA, The antisense and antisense inhibiting to the capture of the 
                                                                                                                                                                                                                                   Selecting optimal subsequence antisense targets for inhibition of {\tt mRNA} expression of target {\tt mRNA} for the therapeutic treatment of genetic
                                                                                                                                                                                                                                                                                                                                         Bollon AP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Brome mosaic virus (BMV) 35kDa protein target DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RTS family of transcription factors, The identification of human and marine RLPS in the present invention permits the identification and rational design of products for use in therapy, diagnosis and antibody generation involving, e.g., regulation of cellular innotional activity such as cellular differentiation or cellular proliferation. These therapeutic molecular my also act as either egonises or antegonises of RLPS function and wall be useful in
           invention
                                                                                                                                                                             Example 3; Page 22; 87pp; English
                                                                                                                                                                                                                                                                                                 WPI; 2001-529916/58
                                                                                                                                                                                                                                                                                                                                                                                                                     (BOLL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-FEB-2000; 2000US-0504653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-FEB-2001; 2001WO-US04732
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200161030-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Brome mosaic virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense target;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Brome mosaic virus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAD15561;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAD15561 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 1 A; 3 C; 8 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                 (JUSE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cancer and autoimmune disease therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present sequence is a human RLP5 specific reverse PCR primer that used in STS content mapping. ELP5 (see AAY79288) belongs to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16;
                                                                                                                                                                                                                                                                                                                                                                           ) BOLLON A P.
) GRAY D M.
) JU-SEOG L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTGTGTGCGGATGTTCTGG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TTGTGTGCAGCTGTTGTGG 978
                                                                                                                                                                                                                                                                                                                                      Gray DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BMV; 35kDa protein; genetic disease; therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84.2%;
                                                                                                                                                                                                                                                                                                                                      Ju-Seog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 14.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                      ۲
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
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                                    Query Match
Best Local s
Matches 16
                                                                                                           Sequence 20 BP; 7 A; 3 C; 5 G; 5 T; 0 other;
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Local Similarity

0.7%;

Score 14.2; DB 1 Pred. No. 1.2e+02

DB 1;

Length

Indels

0

Gaps

0

889 CCCATGTCTACCAAAGTTT 907

Conservative

0; Mismatches

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RESULT 73
AAD15562/c
ID AAD155
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                 sequences, as well as antisense oligonuclectides capable of binding DNA. The antisense and antisense albraries are useful for preparing therapeutic agents for the treatment of genetic disease. The present DNA sequence is phosphorothioate antisense oligonuclectide which is targetted to Brome
                                                                                         The invention relates to a method for selecting optimal subsequence antisense targets. The method involves preparing an antisense cligonucleotide capable of inhibiting mRNA expression of target mRNA
                                                                                                                                                                                                                                    Selecting optimal subsequence expression of target mRNA for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Note: The present sequence is shown in vivo, this target sequence would
                                                                                                                                                                             Example 3; Page 22; 87pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-FEB-2000; 2000US-0504653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-FEB-2001; 2001WO-US04732
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 5 A; 5 C; 3 G; 7 T; 0 other;
     mosaic virus
                                                                                                                                                                                                                                                                                                   WPI; 2001-529916/58
                                                                                                                                                                                                                                                                                                                                         Bollon AP,
                                                                                                                                                                                                                                                                                                                                                                              (JUSE/) JU-SEOG L
                                                                                                                                                                                                                                                                                                                                                                                                  (GRAY/) GRAY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200161030-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Brome mosaic virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Brome mosaic virus; BMV; 35kDa protein; genetic disease; therapeutic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BMV 35kDa protein gene targetted antisense oligonucleotide #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAD15562;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   889 CCCATGTCTACCAAAGTTT 907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCGATGICTAACATAGITT 19
                                                                                                                                                                                                                                                                                                                                         Gray DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              phosphorothioate backbone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
     (BMV)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mod.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'note= "Phosphorothioate backbone"
35kDa protein gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            base= OTHER
                                                                                                                                                                                                                                                                                                                                      Ju-Seog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                             English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₽₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 14.2; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                      antisense targets for inhibition of mRNA the therapeutic treatment of genetic
                                                                                                                                                                                                                                                                                                                                      ŗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               as DNA in
be mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the specification; however
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                    of genetic
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Child present sequence represents the imment owners variation and controlled protein which is a movel non-transmendrane protein which is controlled protein controlled for shrift on special controlled protein controlled for shrift on maps to chromosome s. Shrift a useful for shrift on maps to chromosome s. Shrift a useful for cateritying compounds which can thind and modulate shrift protein cateritying compounds which the shrift and controlled protein caterity of broadcasting the supereston/activity of Shrift to modulate caterity of shrift protein caterials, such as a B- or T-cells, preferably caterials and caterials and caterials. Shrift on the streament of acute metolaid controlled caterials and caterials and caterials. Shrift on the streament of acute metolaid caterials and caterials and caterials and caterials. Shrift on approach as the superior caterials and autoimmune diseases (e.g. anithree call problems of caterials and alternative call death or apoptosis, and to induce only problems of caterials and caterials. Shrift or equilators of caterials and caterials and caterials and caterials and caterials and caterials.
     Query Match
                                      Sequence 20 BP; 6 A; 3 C; 4 G; 7 T; 0 other.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; 140kDa Shc associated protein; SAP140; tyrosine phosphatase Lyp1; chromosome 9; haematopoietic; B-cell; T-cell; acute myeloid leukemana; NVL; acute lymphoblastic bukaemia; halt hyperprodifferation; cancer; autoimmune disorder; apoptosis; allergic disorder; immunosuppression; ds
                                                                                requires
                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence represents the human SAP140 intron 15-exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 3; Fig 4B; 106pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  treating cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New Shc associated protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Roifman CM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200151509-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human SAP140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAS09015;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (HOSP-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              intron
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAS09015 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HOSPITAL FOR SICK CHILDREN
                                                                             immunosuppression such as transplantation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sharfe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             intron 15-exon 16 boundary genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13..20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /partial
/number= 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag= |
/partial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  number= 16
  0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 useful for identifying modulators for
Score 14.2; DB 1;
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Length 20

AAD44827/c ID AAD448 XX

AAD44827 standard; DNA; 20 BP

RESULT 76

밁 8

20

TTGCTGTATCCCAAACTGC 2

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Matches
                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        Chiba Y,
Jigami Y,
                                                                                       Sequence 20 BP; 6 A; 4 C; 6 G; 4 T; 0 other;
                                                                                                                              like erythropoietin, cytokines, and tissue plasminogen-activating factor in drug compositions for medical treatment and in other fields such as science and in industry. The present sequence represents a PCR primer specific for the alpha-mannosidase II C-terminal DNA, the primer is used
                                                                                                                                                                                       mund mutations, which can produce a glycoprotein that contains an asparagine bound type sugar chain with an oligoaccharide chain. The invention includes a method for producing alpha-mannosidate II by culturing the yeast strain to accumulate the product for isolation from the cultured material. The sugar chains and glycoproteins are applicable the cultured material. The sugar chains and glycoproteins are applicable to the cultured material. The sugar chains and glycoproteins are applicable.
                                                                                                                                                                                                                                                                                                   Example 7; Page 35; 83pp; Japanese
                                                                                                                                                                                                                                                                                                                                          Yeast variants capable of efficiently producing glycoporteins with mammalian call-based neutral sugar domain with excellent purity, obtained by sugar engineering, applicable e.g. in drug compositions medical tratteer
                                                                                                                                                                                                                                                     mnn4 mutations,
                                                                                                                                                                                                                                                                  This invention relates to a yeast variant which contains ochl,
                                                                                                                                                                                                                                                                                                                                   medical treatment
                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-218436/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-AUG-2000; 2000WO-JP05474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alpha-mannosidase II C-terminal specific PCR primer Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF77260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF77260 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (KIRI ) KIRIN BEER KK.

(AGEN ) AGENCY OF IND SCI & TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200114522-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yeast; variant; och1; mnn1; mnn4; glycoprotein; alpha-mannosidase II;
                                                                                                                   the production of the yeast strain of the invention.
697 TTGCTGTACCCGAAATTGC 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 893 TGTCTACCAAAGTTTACAA 911
                              16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16; Conservative
                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                      Kainuma M,
Ishii T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TGTTTTCCAAAGGTTACAA 20
                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99JP-0233215
                                         84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Takeuchi M,
Shimma Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      84.2%;
                                                           0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     쁑
                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                           Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 1.2e+02;
0; Mismatches 3;
                                                           Score 14.2;
                                             .
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kawashima E,
                                           .2e+02;
                                                           8
                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Yoshida S,
                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                           20
                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Yamano
                                                                                                                                                                                                                                                                    Turum
                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                              for
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                            0;
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Matches
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26-NOV-1996;
07-JUL-1997;
06-JUL-1998;
28-AUG-1998;
                             WO200297093-A1
                                                                                 Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        are targetted to modade acids emodaling human raf proteins and capable of inhibiting are expression. The inventional are proteins and capable inhibiting hyperproliferation of calls which involvances to methods of hyperproliferation of calls which involvances contacting the hyperproliferation calls with a therapeutically effective amount of a call of the involvance of th
                                                                                                                             high malignancy
                                                                                                                                            Neuroblastoma; prognosis; spontaneous regression; primer; probe; ds;
                                                                                                                                                                                                Neuroblastoma-related oligonucleotide #112.
                                                                                                                                                                                                                                                           08-MAY-2003
                                                                                                                                                                                                                                                                                                                                                       ABT32335 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating cancer, angiogenesis or neovascularization by administering antisense oligonucleotides targeted to human raf sequences -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human raf kinase related antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to novel antisense oligonucleotides which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Column 57; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-597918/64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US6410518-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Raf kinase; hyperproliferation; neovascularisation; ocular angiogenesis; therapy; cancer; cytostatic; anti-angiogenic; vascular; ophthalmological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human raf kinase related antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAD44827;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               977 GGAGATGTTGATTTTGAGA 995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SISI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGACATGTTGATTTCGGGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 BP; 6 A; 8 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                       (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000US-0506073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-0888982
98WO-US13961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95WO-US07111.
96US-0756806.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98US-0143214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94US-0250856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.7%;
                                                                                                                                                                                                                                                                                                                                                           20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human raf sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
New insulin-secreting cell line, useful to test the efficacy of drugs that stimulate insulin secretion, or to develop new diabetes treatments, comprises islet duodenal homeobox-1 (IDX-1) cDNA and culturing in glucagon-like peptide-1 (GLP-1) -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human neuroblastomas with poor prognosis over those with a good prognosis. The nucleic acids of the invention are useful as a tool for distinguishing neuroblastomas with a favourable prognosis (spontaneous
                                                                                                                                     WPI; 2003-278399/27
                                                                                                                                                                                                                                                                                     02-AUG-2001; 2001US-0920868
                                                                                                                                                                                                                                                                                                                                        25-JUL-2002; 2002WO-US23857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Insulin-secreting cell; pancreatic cell; islet duodenal homeobox-1; INX-1; glucagon-like peptide-1; GLP-1; insulin secretion; glucose;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer used to amplify a fragment of the insulin gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 7 C; 3 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        regression) from neuroblastomas with a poor prognosis (high malignancy) The DNN sequences AST32224 - AST32571 represent oligonucleotides used i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acids having higher expression in human neuroblastoma with poor prognosis for diagnostic prediction of neuroblastoma prognosis -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-MAY-2001; 2001JP-0162775.
24-AUG-2001; 2001JP-0255226.
                                                                                                                                                                                                                                        (CEDA-) CEDARS SINAI MEDICAL CENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diabetes; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         an example of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 5; Page 26; 111pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-140476/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-MAY-2002; 2002WO-JP05294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention comprises nucleic acids that show increased expression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MISM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1014 AGTGTGTGGTTGGCAAAAT 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 AGTCTGTGGCTGGCAAGAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CHIBA PREFECTURE.
HISAMITSU PHARM CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cDNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ,;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        В₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 14.2; DB
Pred. No. 1.2e+(
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.2e+02
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Length 20 Indels

0; Gaps

0

RXSXRXRXBXAX

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RESULTY 79
ABZ70453/6 O
ID ABZ70453/6 O
XX ABZ704 X
XX ABZ704 X
XX ABZ704 X
XX Human I
XX Human I
XX Human I
XX CA234/1 X

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                                   The present sequence is a forward PRB primer for novel human TRBM 2 (triggering receptor expressed on myeloid cells) chak (see ARR70450) TRBM 3 (see Alar expressed selectively considerable protein expressed selectively considerable and identific cells (DOS) but not on granulocytes or monopy partial posterial time of TRBM 2 leads to DC standards and indices strong the partial considerable continuous considerable continuous considerable continuous c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New nucleic acid molecule encoding a triggering receptor expressed on myeloid cells (TREM) - 0 TREM, 2 polypeptide, useful for treating or (meliorating a disease or condition in a subject associated with TREM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The specification describes an insulin-secreting cell, comprising a pancreatic cell transferted with islet dwokenal homeobox-1 (IDX-1) colls and cell transferted with islet dwokenal homeobox-1 (IDX-1). The cell exhibits a dose-dependent response of insulin secretion when exposed to glucose. The insulin-secreting cells and cell lines are useful for investigating the function and development of pancreatic cells, to test the efficacy of drugs that simulate simulin secretion, or to develop new approaches to treat dubbres. PCR primers M877/612-13 were used to amplify a fragment of the insulin opener. The primers were used to test the effect of GLP-1 on pancreatic cells, in the course of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; TREM-2; triggering receptor expressed on myeloid cell; receptor; immunosuppressive; antiallergic; gene therapy; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 6.2; Page 78; 163pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Colonna M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAR-2001; 2001US-277238P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-MAR-2001; 2001CA-2342376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CA2342376-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human TREM-2 forward PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABZ70453 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BOUC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 5 A; 6 C; 4 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2003-094220/09
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              immune disorders,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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including autoimmune disease and allergic
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RESULT 80
AAX71584/c
ID AAX71584
                                                                  Query Match
Best Local
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Best Local Similarity
                                                                                                                                                                    the synthesis, expression and/or stability of a main encoding 1 or more receptors of waterlar encoding 1 or more preferably human having a condition massing with the level of the first-like tyrosine kinase; [(II:1)] with associated with the level of the free-like tyrosine kinase; [(II:1)] with associated with the level of the first-like tyrosine kinase; [(II:1)] with associated (IX) month of the containing accordance (IX) and/or foretal liver kinase; [(IX) downated 3 thirlin) and appropriate to coular discoses, portains and thousand atthrillar) constructed by administering the nucleic acid molecule or the expression of nucleic acid molecules from the present specific examples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-JAN-1996;
26-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecule modulating VECP receptor(s) gene expression or mENA stability - useful for treating e.g. thmour angiogenesis, psoriasis, rheumatoid arthritis, etc., ii a human patient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CHIR )
                                                                                                                                     Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 4; Page 115; 218pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; fairpin ribozyme; cleavage; tumour angi-ogenesis; peoriasis; rheumatodd arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 2 A; 6 C; 3 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        disease
                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1997-259017/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Escobedo J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-OCT-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human KDR VEGF receptor hammerhead ribozyme substrate #596
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                                                               Similarity
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RIBOZYME PH
GTCTACCAAAGTTTACA 910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; RNA; 17
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                                              Conservative
                                                                                                                                  BP; 7 A; 2 C; 4 G; 4 U; 0 other;
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95US-0005974
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100.0%; Pr
                                                               88.2%;
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                                           0;
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Pred. No. 1.1e+02;
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                                           Mismatches
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                                                                                   Length 17;
                                           Indels
                                        0;
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                                    Gaps
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ABK02935
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AAX71585/c
                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 15
Human CD20 Hammerhead ribozyme #234.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a make encoding 1 or move receptors of vascular endothelial growth factor (VEGP). A patient (preferably human) having a condition associated with the level of the fine-like tyrosinm kinase I (fit-1), kinase insert ontaining receptor (KDR) and/or foetal liver kinase I (fik-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and thomatoid arthritis) can be treated by administering the nucleic acid molecule or the expression of nucleic acid molecules from the present invention.
                                                  12-MAR-2002
                                                                                                                                                ABK02935 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 8 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule modulating YEGF receptor(s) gane expression or
mRNA stability. useful for treating e.g. tumour angiogenesis,
psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; Page 115; 218pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hamerjhead riboxyme; haitpin riboxyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kimace 1; kinase insert domain containing receptor; feetal liver kinase i; ss:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Escobedo J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-JAN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX71585 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             McSwiggen J, Pavco P,
                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                           88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 C; 4 G; 3 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
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                                                                                                                                                                                                                                                                                                                                                           Gaps
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Claim 30; Page 143; 200pp; English

and central nervous system injury

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Mucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs which down regulate expression of a CD20 gene or neuritoc growth inhibitor gene useful for treating, e.g., lymphoma, leukemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-FEB-2000; 2000US-181797P
28-FEB-2000; 2000US-185516P
06-MAR-2000; 2000US-187128P
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                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-607195/69
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Parkinson's disease; ataxia, Huntington's disease;
Creutzfeldt-Jakob disease, muscular dystrophy; neurodegenerative disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200159103-A2
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MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 McSwiggen J,
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RESULT 83
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The invention relates to a nucleic acid molecule which down regulates expression of a CD21 gene and a nucleic acid molecule which down regulates expression of a neurit growth inhibitor gene (MCG2). The nucleic acids (e.g., a ribozyme or a DNAzyme) an inoxyme (an endolyte nucleic acids (e.g., a ribozyme or a DNAzyme) an inoxyme (an endolyte nucleic acid cleaving a na DNA molecule possessing an MR motif), a G-Cleaver (Cleaving RNA with a NYM motif) and the control of t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 30; Page 150; 200pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down requisite expression of a CD20 gene or neurity growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and a construction of the construction 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Blatt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-607195/69
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06-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human CD20 Inozyme #253
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-FEB-2000; 2000US-181797P
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9; Conserv
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Pred. No. 1.1e+02;
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ABN07621
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Best Local
  30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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04-OCT-2000;
30-JAN-2001;
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21-SEP-2000;
                                                                                                                                                                                                                                                                                                  25-MAY-2001; 2001WO-US16981
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                                                                                                                                                                                                                                                                                                                                                                                    WO200192524-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                       muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-MAY-2002
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9; Conserv
2000US-207456P
2000US-21637P
2000US-21639P
2000US-21639P
2000US-20639
2000WG-US00662
2001WG-US00662
2001WG-US00666
2001WG-US00666
2001WG-US00666
2001WG-US00666
2001WG-US00666
2001WG-US00666
2001WG-US00666
2001WG-US00666
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:7613.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 C; 6 G; 7 U;
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 17;
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05-FEB-2001; 2001US-266860P

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RESULT 85
ABN07622
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Best Local S
Matches 19
26-MAY-2000; 2000US-207456P
                                                              25-MAY-2001; 2001WO-US16981
                                                                                                                             06-DEC-2001
                                                                                                                                                                                           WO200192524-A2
                                                                                                                                                                                                                                                                                                                    muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease, skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                    Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart
                                                                                                                                                                                                                                                                                                                                                                                                                                       Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:7614.
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N.B. The sequence data for this patent did not specification, but was obtained in electronic
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                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABN07622 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-179446/23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ftp.wipo.int/pub/published_pct_sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15;
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Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                               screening; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                form part of the printed format directly from WIPO
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RESULT 86
AAQ41645
ID AAQ41
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AC AAQ4:
XX
DT 25-MI
DT 02-SI
XX
XX
AC AAQ4:

AAQ41645 standard; DNA; 18

ВЪ

25-MAR-2003 02-SEP-1993 AAQ41645;

(updated) (first entry)

Alpha factor-lys-arg screening oligomer

B S

Matches Query Match Best Local

15; Similarity

Conservative

0,

88.2%; 0.7%;

Score 13.8; DB 1; Pred. No. 1.1e+02; Mismatches

Length 17; Indels

0, Gaps

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© The present invention describes a human genome derived myosin-like CC protein in [DBMML-1]. The protein and polymochedide sequences of C MSDMLF-1 can be used in gene therapy polymochedide to be described to the control of the present control of the homelr-1 is contined to control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the homelr-1 in control of the present control of the homelr-1 in control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the present control of the homelr-1 in control of the present co
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27-SEP-2000;
04-OCT-2000;
                                                                     N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
Sequence 17 BP; 3 A; 4 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polypeptide, for raising antibodies that proteins, or as specific biomolecule capture proteins, or as specific biomolecule capture surface-enhanced laser desorption ionization,
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                                                   at ftp.wipo.int/pub/published_pct_sequence.
                                                                                                                                invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       comprises human
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RESULT 87
AAZ71313
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Best Local
                                                                                                                          Human genome, biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; hypridiation; dentification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   is a pUCIA-based plannid comprising the S correvisian alphaer prepro-
signal sequence, the lyes argiglu-sla, processing altes, the GRF ga-
and the P pactoris ADMI terminator ADM203 was used to attach a
yeast-specific secretion signal to a sythetic gene. The synthetic
gene used was a MM112-type processe inhibitor (RFI).
(Delated on 25-MAR-2003 to correct by field.)
21-APR-1999;
                                                                                                                                                                                                  Human biallelic marker upstream amplification primer SEQ ID NO:5669.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Recombinant amyloid precursor protein inhibitor domain and DNA - regulates protesses activity, for treating coagulation disorders and diseases characterised by amyloidosis
                            28-0CT-1999
                                                        WO9954500-A2
                                                                                     Homo sapiens
                                                                                                                 diagnosis; ss
                                                                                                                                                                                                                                     10-SEP-2001 (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The sequences given in AAA1665-46 are fragments that were used in the isolation of mutated alpha-making factor (alphamat) sequence. The isolated sequence was used in the formation of plannid pack), pho203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 49; 105pp; English
                                                                                                                                                                                                                                                                                               AAZ71313 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence 18 BP; 7 A; 0 C; 6 G; 5 T; 0 other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1993-167698/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wagner SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-OCT-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-OCT-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-MAY-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9309233-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolation; alpha factor; GRF; fusion; pySv201; pAC203; pUC18; alpha mating-factor; alphawF; prepro; signal; sequence; processing site; P. pastoris; ACX1; terminator; yeast; secretion; Kunitz; protease; inhibitor; KPI; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                    920 GAGAAAAGAGAGGATGT 936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) SALK INST BIOTECHNOLOGY IND ASSOC
                                                                                                                                                                                                                                                                                                                                                                                                                                  15,
                                                                                                                                                                                                                                                                                                                                                                       GATAAAAGAGAGGTTGT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Siegel R,
                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
99WO-1B00822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91US-0785638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 92WO-US09400
                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2%;
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                                                                                                                                                                                                                                                                                               18
                                                                                                                                                                                                                                                                                               BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Harpold MM,
                                                                                                                                                                                                                                                                                                                                                                                                                                               .2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Comer WT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 18;
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TGGAAAATTGAGAGAGG 17

Matches Query Match Best Local

1 Similarity
15; Conserv

Conservative

0

0.7%;

Score 13.8; DB 1; Pred. No. 1.2e+02;

Length 18 Indels

0 Gaps 0

1048 TGGAATTTTGAGAGAGG 1064

de soa

Bovine, Flk-1, vascular endothelial growth factor; VEGF, VEGF receptor, anti-angiogenic, VEGF receptor inhibitor; Flt-1; phosphorothicate; antisense inhibition; ss.

Bovine Flk-1 mRNA antisense phosphorothicate oligonuclectide AS2-Flk.

07-MAR-2001 AAC63796;

(first entry)

AAC63796 standard;

DNA; 18

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WPI; 2001-062055/08 Sirois MG; 21-APR-1999; 21-APR-1999; 21-OCT-2000 CA2268379-A1

(FOND-) FONDS

RECH INST CARDIOLOGIE. 99CA-2268379 99CA-2268379

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treatment.

N.B. The SBO ID NOs 2052, 2911, 2974, 3035, 3096, 3157, 3227, 3297 and 33677, are not actually given a sequence in the Sequence Listing
                                                                                                    AW36564 to AM26978 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences, AM68979 to AM27440 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a warker, of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the generic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of characterisation of the differential efficacions as well as the charges from pharmaceutical agents acting on a disease as well as other research.
Sequence 18 BP; 7 A; 0 C; 8 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                Claim 8; Page 1439; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                     Novel bialielic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-APR-1998;
23-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                       map of the human genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-013267/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cohen D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GEST ) GENSET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98US-0082614
98US-0109732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chumakov I;
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RESULT/ 89
ABL-SES19/c
TID ABL-SES
XX ABL-SES
XX ABL-SES
XX ABL-SES
XX VABC-DE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                     The invention relates to antisense oligonuclectides (ADM) complementary to a gene that encodes a mammalian vascular epidermal growth factor (1937) receptors Eli-1 or Eli-1. The ADM are useful for reducing pathological angiognossis and, where directed against Fil-1, synthesis of plateles attuating Section. They are used for treating inlamation, unplate necessaries must object on the part of the contract of plate diseases (disbetion teresting inlamatical hyperoxic retiropity) of operal lead macular degeneration), arthritis, porticais and arteriocclassis (ADM) are also special for recently and diagnosis, particular for specific desettion of NI-1 or Fix-1. The present acquence represents an antisense oldyo directed against the bovine Fix-1 mRM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of the vascular endothelial growth factor receptor inhibitory ligand or nucleic acid encoding the receptor as anti-angiogenic agent
                                                                                                                                                                                                                                                                                                                                                                   receptors Flt-1 or Flk-1
                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides useful for e.g. reducing pathological angiogenesis, directed against the vascular epidermal growth factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-436228/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-OCT-2000; 2000CA-2321189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-OCT-2000; 2000CA-2321189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CA2321189-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antipsoriatic; antiarteriosclerotic; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Vascular epidermal growth factor; VEGF; Flt-1; Flk-1; cytostatic; antiinflammatory; antidiabetic; ophthalmological; antiarthritic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bovine FLK-1 mRNA targeting antisense oligo AS2-bFlk-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AB158519;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABL58519 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 18 BP; 2 A; 8 C; 1 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence are useful as anti-anglogenic agents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is an oligonucleotide which was used to discriminate the contribution of vascular endothelial growth factor (VSGF) receptors plt-1 and plk-1 upon stimulation of endothelial sells by VSGF. Inhibitor ligands directed against a receptor of VSGF or against its coding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 5; 29pp; English
                                                                                                                                                                                                                                                                                                                          Example 1; Page 29; 63pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SIRO/) SIROIS M G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        919 TGAGAAAAGAGAGGATG 935
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                          Q
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                                                                                                                                                             Matches
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                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ocular diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-OCT-2000; 2000US-0687239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-OCT-2001; 2001WO-CA01427
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL60470 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-444180/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                  bovine Flk-1 mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 14; 98pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CARD-) INST CARDIOLOGIE MONTREAL.
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                                                                                                                919 TGAGAAAAGAGAGGATG 935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 TGAGAAAAGAGTGGAGG 1
                                                                    17 TGAGAAAAGAGTGGAGG
                                                                                                                                                             15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                          Similarity 88.:
15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88.2%;
                                                                                                                                                                              88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%;
                                                                                                                                                                                                         0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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Sequence 18 BP; 2 A; 8 C; 1 G; 7 T; 0 other;

RESULT 91

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Vascular epidermal growth factor; VEGF; Flt-1; Flk-1; cytostatic
                                                                                                                                                                                                                                                                                                                reduice Vagr-induced inflammation and angiogenesis, e.g. pathological angiogenesis, in mammals, tumour growth and metastesis, coular diseases (diabetic and perinatal hyperoxic rethinopathises, age-related macular degeneration), arthritis, portiasis, and atheroselerosis (he antisone compounds may further be used as research reagents and diagnostics, and to reduce platelet activating factor (pRF) synthesis and inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to artisense oligonucleotides, complementary to a gene that encodes a mammalian vascular epidermal growth factor (VEGF) receptors Pit-1 or Fik-1. And can inhibit the expression of the VEGF receptors Fit-1 or Fik-1. The antisense oligonucleotides may be used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleoride complementary to a gene exceding a mammalian wascular endothelial growth factor receptor comprising Flt-1 and Flk-1, for reducing e.g. inflammation, pathological angiogenesis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antiinflammatory; anti-angiogenic; ophthalmological; antiarthritic;
antibacterial; dermatological; antiarteriosclerotic; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bovine Flk-1 mRNA targeting antisense oligo AS2-bFlk-1.
                                                                                                                                                        Sequence 18 BP; 2 A; 8 C; 1 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                            present sequence represents an antisense oligo directed against the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.8; DB 1;
Pred, No. 1.2e+02;
                              Score 13.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 18;
                                                                         Length 18;
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RESULT 92
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ID ABZ817
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AC ABZ817
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AC ABZ817
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to chemically modified DNA sequences of signal transduction associated genes; has sequences are chemically modified using a solution of hisulphite, hydrogen sulphite or condition associated genes; have seen as the condition of the sulphite or solution of the sulphite or solution of the sulphite or for detecting the cycosian methylation state (CpG islands) of these genes, and a method for the diagnosis and/or therapy of genetic and epigenetic parameters of genes associated with signal transduction. The genomic DNA can be obtained from cells or cellular components which contain DNA, a.g. cell lines, biopsies, blood, spatum, stool, urine, contain DNA, a.g. cell lines, biopsies, blood, spatum, stool, urine, contain DNA, a.g. cell lines, biopsies, blood, spatum, stool, urine, contain the settine, kidney, brain, heart, protette, lung, breast or liver, cerebral-spinal fluid, tissue embedded in paraffin such as tissue from composition of the invention are useful for the diagnosis and therapy of diseases associated with signal transduction e.g. solid transurand contains. The present sequence represents an oligonic locatide probe which cancer. The present sequence represents an oligonic locatide probe which cancer. The present sequence to the signal transduction of the sequence of the sequence to the signal transduction of the sequence of the seque
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                  11-JUN-2003
                                                                                                                         ABZ81757
                                                                                                                                                                                     ABZ81757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 BP; 4 A; 0 C; 6 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oligonucleotide for diagnosis and therapy of diseases associated with signal transduction e.g. camper, comprises chemically modified genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-JUN-2000; 2000DE-1032529
01-SEP-2000; 2000DE-1043826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     associated gene,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1, Page 14; 24pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequences of genes associated with signal transduction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-147896/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUN-2001; 2001WO-BP07472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; signal transduction associated gene; cytosine methylation state; CpG island; signal transduction associated disease; solid tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oligonucleotide probe #2 for signal transduction associated gene,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EPIG-) EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200200926-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antitumour; cytostatic; probe; AR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABK31549 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         1048 TGGAATTTTGAGAGAGG 1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15;
                                                                                                                                                                                standard; DNA; 18 BP
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                                                                                                                                                                                                                                                                                                                                                       TGTTATTTTGAGAGAGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 13.8; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
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03-OCT-2002

Homo sapiens. Synthetic. WO200277272-A2 Human, haematopošetic cell proliferation disorder; cytostatic, gene therapy. Jumpbocytic leukaemia acute myologencous leukaem cytosine methylation state; probe; primer; ss.

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RESULT 93
ABZ10414
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                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-AUG-2001;
08-AUG-2001;
04-DEC-2001;
                                                                                                                                                                                                                                                                                                       The present sequence is an example of a poly-glutemine tripler repeat region found in exon 1 of the Huntington disease (HD) gene. The invention is based on the discovery that older the control of the triplet repeat region of the HI gene Preferred oldernic triplet repeat region of the HI gene. Preferred oldernic control of the HI gene to the region to be altered, and have with respect to the HD gene region to be altered, and have chemical modifications or are chimseric RMA/DMN oligonuclaotides.
Haematopoietic cell proliferation disorder related oligonucleotide #554.
                                                                                                                                                                                                                                                                                  Sequence 18 BP; 9 A; 6 C; 3 G; 0 U; 0 other;
                                    16-JAN-2003
                                                                                           ABZ10414 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      preventing Huntington's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New single stranded oligonucleotides comprising a DNA domain having
least one mismatch with respect to the genetic sequence of the
Huntington's disease gene to be altered, useful for treating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kmiec EB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-AUG-2001; 2001US-310757P

08-AUG-2001; 2001US-310770P

08-AUG-2001; 2001US-310889P

04-DEC-2001; 2001US-337219P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Huntington's disease; nootropic; anticonvulsant; huntingtin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Huntington's disease exon 1 triplet repeat sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                          Local
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                                                                                                                                                                                           797 TGTAGCAGCTGTTGTTG 813
                                                                                                                                                                 17
                                                                                                                                                                                                                           l Similarity
15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene therapy; ss
                                                                                                                                                                 TGTTGCTGCTGTTGTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 57; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Parekh-Olmedo
                                                                                                                                                                                                                           Conservative
                               (first entry)
                                                                                                                                                                                                                                     88.2%;
                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ×
                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                     Score 13.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                    Length 18
                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                       0
                                                                                                                                                                                                                       Gaps
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RESULT 94
ABZ10996/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Watches 15; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cd differentiating between hematopoietic call proliferation.

Cd subject the metal test 1 gene and/or their regulatory regions in a cash section of the state of the subject testing a target mucoy regions in a control of the subject testing a target mucoy regions in a control of the subject testing a target mucoy regions in a control of the subject testing a target mucoy regions in a control of the subject testing a target mucoy region in a control of the subject testing a target for the subject testing a target for the subject testing a subject to a subject 
                                                                                                                                                                                       Human, haemaropoietic cell proliferation disorder, cytostatic, gene therapy, lymphocytic leukaemia, acute myelogenous leukaemia, cytosine methylation state, probe; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 related sequences and their complements; and as primers for the amplification of haematopoietic cell proliferation disorder related DNA sequences. The nucleotide sequences from the present invention can also be used for detecting a predisposition to, differentiation between subclasses, diagnosis, prognosis, treatment and/or monitoring of haematopoietic cell proliferative disorders. The present method enables a highly specific classification of haematopoietic cell proliferative disorders allowing for improved and informed treatment of patients.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Olek A,
                                             W0200277272-A2
                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                   Haematopoietic cell proliferation disorder related oligonucleotide #1136
                                                                                                                                                                                                                                                                                                                                                                                        16-JAN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABZ10996 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 BP; 4 A; 0 C; 6 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Detecting and differentiating between hematopojetic cell proliferative disorders, comprises contacting a target mucleic acid with a reagent that distinguishes between methylated and non-methylated Cpc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a method for detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 15; Page 42; 117pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-018942/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pelet
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Berlin K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (EPIG-) EPIGENOMICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-MAR-2002; 2002WO-EP03401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1048 TGGAATTTTGAGAGAGG 1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 TGTTATTTTGAGAGAGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Piepenbrock C, Adorjan P, Grabs
Fispenbrock C, Adorjan P, Grabs
Lipscher E, Maier S, Model P,
Schwope I, Ziebarth H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    界
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Howe A, Mueller J;
G, Lesche R, Leu E;
Mueller V, Otto T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 95
AAA84266
ID AAA84
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.7%;
Best Local Similarity 88.2%;
                                                                                                                                                                     Ribozyme; hairpin; hammerhead; gene therapy; vasotropic
                                                                                                                                                                                                                                                                                                               04-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jymphocytic leukaemia and acute myelogenous leukaemia; as probes for determining the cytosiem enthylation state and/or single nucleotide polymorphisms (SNR9) of haemstopoietic cell proliferation disorder related sequences and their complements; and as primers for the amplification of haemstopoietic cell proliferation to disorder related DNA sequences. The nucleotide sequences from the present invention can also be used for detecting a predisposition to, differentiation between subclasses, dispunsis programsis treatment addormonitoring of membropoietic cell proliferative disorders. The present method enables a highly specific classification of haemstopoietic cell proliferative disorders allowing for improved and informed treatment of perients.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       which distinguishes between methylated and non-methylated Cpc dimucleotides within the carget mucleic acid. ABZ019861 to ABZ11186 represent specifically claimed mucleotide sequences from the present invention. Oligomucleotides from the present invention. Oligomucleotides from the present invention can be used the five thing the present invention can be used the five the present acid five remaining between beatity heameropoietic cells and proliferative discorder hermacopoietic cells; for differentiating between acute
                      W0200032765-A2
                                                                                                                                                                                                                                          Cyclin D1 ribozyme binding site #33.
                                                                                                                                                                                                                                                                                                                                                                          AAA84266;
                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA84266 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          differentiating between haematopoietic cell proliferative disorders associated with at least 1 gene and/or their regulatory regions to a subject. The method comprises contacting a target nucleic acid in a biological sample obtained from the subject with at least 1 reagent, biological sample obtained from the subject with at least 1 reagent,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Detecting and differentiating between hematopoletic cell proliferative disorders, comprises contenting a target nucleic acid with a reasent that distinguishes between methylated and non-methylated CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lewin A,
Pelet C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 BP; 8 A; 6 C; 0 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 15; Page 74; 117pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2002; 2002WO-EP03401
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-018942/01.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAR-2001; 2001US-278333P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1048 TGGAATTTTGAGAGAGG 1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18 TGTTATTTGAGAGAGG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C, Braun A, Distler J, Guetig D,
Piepenbrock C, Adorjan P, Grabs
Lipscher E, Maier S, Model F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Schwope I,
                                                                                                                                                  88.
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                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Guetig D,
n P, Grabs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Howe A, Mueller J;
G, Lesche R, Leu E;
Mueller V, Otto T;
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> tength 18; Indels

0 Gaps 0

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RESULT 96
AAD14643/c
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                Chimeric flaviviruses that are avirulent and immunogenic, useful vaccinating against a range of dengue viruses -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to a hairpin or hammethead riboryme, designed to cleave BNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CMKI, PONA and Cyclin BI.
Representative axamples of riboryme recognition sites are given in AA88415 to AA86787. The riboryme is the invention is useful for inhibiting restencist by incroduction of the riboryme into cells. The riboryme is resistant to endounclease activity and hence is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDKI, PCNA and Cyclin B1 .
The invention relates to avirulent, immunogenic flavivirus chimeras
                           Disclosure; Page 88;
                                                                                             WPI; 2001-497162/54
                                                                                                                     Kinney RM,
                                                                                                                                                                         16-FEB-2000; 2000US-0182829
                                                                                                                                                                                                   16-FEB-2001; 2001WO-US05142
                                                                                                                                                                                                                                                         WO200160847-A2
                                                                                                                                                                                                                                                                                 Dengue virus type I
                                                                                                                                                                                                                                                                                                            aviruient;
                                                                                                                                                                                                                                                                                                                        Flavivirus;
                                                                                                                                                                                                                                                                                                                                                 DEN-1 PDK-13 virus mRNA amplifying RT-PCR forward amplimer D1V-2752
                                                                                                                                                                                                                                                                                                                                                                            01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                        AAD14643
                                                                                                                                                                                                                                                                                                                                                                                                                               AAD14643 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 3 A; 5 C; 7 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                efficient in restenosis treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 74; 109pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-412314/35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tritz R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (IMMU-) IMMUSOL INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               844 AGCTCCTCCTGGTGTAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                DEPT HEALTH & HUMAN SERVICES.
                                                                                                                                                                                                                                                                                                      , Dengue virus-1; DEN-1; vaccine; infection; virucidal;
immunogenic; viral disease; pharmaceutical; RT-PCR primer; ss
                                                                                                                     Kinney CYH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-0110954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-US28772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.7%;
                         470pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Barber JR,
                                                                                                                     Butrapet S,
                                                                                                                                                                                                                                                                                                                                                                                                                                 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         860
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                                     Gubler DL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 19;
                                                                                                                   Bhamarapravati
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CC comprising anino acid mutations in the non-structural proteins of a Cflavivirus. Chimeric viruses containing the attenuation mutated non-structural genes of the virus are used as a backbone into which the CR tructural protein genes of a second flavivirus strain are inserted. These chimeric viruses elicit pronounced immunogenicity but lack the accompanying clinical symptoms of viral disease. Arcenuated chimeric accompanying clinical symptoms of viral disease. Arcenuated chimeric concepts are enabled in a pharmaceutical composition to confer the conference of the
Sequence 19 BP; 7 A;
                                                                                                                                                                                                                                                                                                                                                vaccine virus-specific genetic mutation at genome nucleotide position
8 C; 3 G; 1 T; 0 other;
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Matches
        Query Match
Best Local
         Local Similarity
 15,
 Conservative
        0.7%;
88.2%;
٥,
         Pred.
               Score 13.8;
Mismatches
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         1.3e+02
                 DB 1;
               Length 19;
Indels
0
Gaps
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948 GIGGICCATGIGITGIG 964
 19
GTGTTCCATGGGTTGTG
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문 S

## RESULT 97 AAH59428 ID AAH59

AAH59428 standard; DNA; 19 β

AAH59428;

10-SEP-2001 (first entry)

Cyclin D1 ribozyme binding site SEQ ID NO:1852

Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme; recognition site; larget; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psoriasis; diabetic retinopathy; cytochran; liftiammation; cell-cytokran generation; cell-cytokran generation; cell-cytokran generation; reductor; reductas; cytokran kerizoresias; cytostatic; matrix metalloproceinase; growth factor; reductas; carriajs cytostatic; antipsoriatic, dermatological, antiseborrheic; antidabetic; virucide; antisiatking; cytophalmological, keratolytic; gene therapy, viral wart; acopic dermatitis; actinic keratosis; squamous cell carcinoma; sickle basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar; cell retinopathy; ss.

Synthetic Homo sapiens

WO200130362-A2

03-MAY-2001

26-OCT-2000; 2000WO-US29500

26-0CT-1999; 9908-0161532

(IMMU-) IMMUSOL INC

Robbins JM, Tritz R;

2001-300427/31

Treating proliferative skin or eye diseases and scarring unsup-pribozymes that cleave RNA encoding cytokines involved in inflam matrix metalloproteinases, growth factors and cell-cycle depend inflammation,

Example 1; Page 206; 408pp; English

kinases -

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RESULT 98
ABA98268
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
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The invention relates to an isolated muchaic acid fragment encoding bacterial tolumes monoxygenase enzyme pathway. The muchaic acid fragments of the invention may be used to solate genes encoding proteins from the same occibr microbial species. Beaterial strains transformed with the p-cessi utilizing (pu) genes are useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                  New mucleic acid tragments encoding bacterial tolesse monoxygenesses when the enzyme pathway, useful for isolating pense encoding proceins from the same or other microbial species, and for producing para-hydroxybenzoate
                                                                                                                                                                                                                                                                                                   Example 1; Page 78; 97pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ramos-Gonzales MI, Ramos JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2000; 2000US-0585174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-MAY-2001; 2001WO-US16574
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pseudomonas mendocina KR-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Primer 34 for sequencing of pcu.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 3 A; 5 C; 7 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (DUPO ) DU PONT DE NEMOURS & CO E I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  monooxygenase; TMO;
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Pred. No. 1
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Sariaslani
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1.3e+02;
hes 2;
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Sequence 19

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RESULT/ 99
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AC ABL89
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                                                                                                        The present invention describes a collection of binding groups for a family of nucleic acids comprising members of relative high and relative to we significance, where the binding groups are selected to be capable to dow significance, where the binding groups are selected to be capable to didnitify, alone or in combination, essentially all members of the family of binding groups is useful for typing of mucleic acid in a clinical sample, the content of the more binding groups for mucleic acid of the content of the more of the family of whether one or more binding groups bound to the nucleic acid of the completion of the more of the sample of the family of the sample 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         묽
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Collection of binding groups for determining or typing samples, especially clinical samples, has groups capable to identify eas all members of the family of nucleic acids of relatively high
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 109; 166pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HIV-1 related binding molecule oligonucleotide sequence SEQ ID NO:420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19
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Pred. No. 1.3e+4
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Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ameliorating the effects of a disorder, e.g. psoriais, by antisense administering U (ultra-v)det) resentent (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or infilamention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MURD-) MURDOCH CHILDRENS RES INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200078341-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAF47737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IGFBP3 oligonuclectide #1157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       903
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGITTACCATTCAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGTITACAATICAAA 917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9908-0140345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Edmondson SR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ΒP
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Sequence 15 BP; 5 A; 1 C; 3 G; 6 T; 0 other;

902 AAGTITACAATTCAA 916

Similarity

0.6%;

Length 15 Indels

0; Gaps

0

Conservative

0, Pred Score 13.4; Mismatches ŏ. 1e+02; 띪 1.

5

AAGTTTACCATTCAA 1

AAF02431 standard; DNA; 17 BP.

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RESULT 102
AAT43215/c
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                                                                                                                        Ó
                                                                                                                                                                                                                                                                                   for the mouse phosphotries revalued protein (metry) This serious control is identical to nucleatides 765-780 of the full length mpp coding coding required (see AMT4320). The mpp expunse has abnormal underspression in the research protein facilities of the protein facilities and control in the research protein facilities of polyportic kidney disease (PMD) and disease (FMD) and the secreties of t
                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US5552313-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Phosphotriesterase-related protein; mouse; PRP; recessive cpk; murine; polycypstic kidney disease; PRD; acute renal injury; autosomal dominant; subcoomal recessive; fluid-filled cyst; nephron; collecting duct; kidney; renal parenchyma; renal failure; mammal; diagnostic marker; therapy; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAT43215;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT43215 standard; cDNA; 16 BP
                                                                                                                                                                                                                                                 Sequence 16 BP; 7 A; 5 C; 2 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT43211-T43220 represent amplification primers for the coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 4; Column 8; 23pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse phospho:tri:esterase-related protein DNA - used to develop prods. for diagnosis of poly:cystic kidney disease or acute renal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1996-412067/41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Calvet JP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UNIV ) UNIV KANSAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           acute organophosphate toxicity; phosphotriesterase inhibitor; amplify;
anti-cancer drug enhancer; anti-HIV drug enhancer; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Primer P4 for phosphotriesterase-related protein coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-JAN-1997
                                                                                                                           970 CIGITGIGGAGAIGI 984
                                                                                   16 CTGTTTTGGAGATGT 2
                                                                                                                                                                   14;
                                                                                                                                                                                         Similarity
                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hou X, Magenheimer BS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94US-0343027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9408-0343027
                                                                                                                                                                                      93.3%;
                                                                                                                                                                                         Score 13.4; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Maser RL
                                                                                                                                                                                                           Length 16;
                                                                                                                                                                Indels
                                                                                                                                                                   0
                                                                                                                                                                   Gaps
                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TXBXXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
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                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, ERR3/OUDP-TR-1, the GATA stranscription factor gene 1 RP-2 and/or the CARTH bisphoment protein (DP). Inhibition is the repressors resorted prevents, inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor the CARTH stimulating factor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Braymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and crychropoterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hammerhead ribozyme substrate #726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAF02431;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 12 A; 2 C; 2 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein and interferon alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 37; Page 72; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-647423/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Blatt L, Zwick M, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-APR-2000; 2000WO-US09721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-0CT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200061729-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                   16-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                              AAF02993;
                                                                                                                                                                                                                                                                                                                                                       AAF02993 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         interferon alpha; ss.
                                        19-OCT-2000.
                                                                             WO200061729-A2
                                                                                                                        Homo sapiens.
                                                                                                                                                                interferon alpha; ss.
                                                                                                                                                                                   Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                              Hammerhead ribozyme substrate #1288.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  914 CAAAATGAGAAAAGA 928
                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 CAMAATAAGAAAAGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9908-0129390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.4; DB 1;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                McSwiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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0.

RESULT 103 AAF02431

11-APR-2000; 2000WO-US09721.

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ARTSULT 105
ARTS13371/C
ARTS13471/C
ARTS14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                     New isolated muchaic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to entymatic and antisense nucleic acid molecules that act as inhibitors of the expression of represent encoding the first orphan receptor, BARJ/COUP-FP-1, the GATA REPART LEADING THE CARRY DESPITE AND THE PROPERTY DESPITE AND THE 
                                                                          Disclosure; Page 35; 720pp; French
                                                                                                                                                                                                                                                                                                                                    WPI; 2003-313353/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-SEP-2002; 2002WO-IB04208.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schlzophrenia, protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-SEP-2001; 2001FR-0011978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2003025175-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumour suppression related human fukutin oligo SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABT34374 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enzymatic and antisense mucleic acid inhibition of repressor genes, useful for producing e.g. gramulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 7 A; 0 C; 5 G; 5 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 37; Page 85; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-647423/62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1048 TGGAATTTTGAGAGA 1062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 TGGAATATTGAGAGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      h 0.6%;
Similarity 93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                           Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zwick M,
                                                                                                                                                                                                                                                                                                                                                                                                                     Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-0129390
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                                                                                                                                                                                                                                                                                                                                                                                                                     Tuijnder M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
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Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
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The invention relates to a novel isolated 17 mer nucleic acid sequence.

ARZ65654 to ARZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their

Claim 8; Page 1188; 2745pp; English

map of the human genome

Novel biallelic markers used to construct a high density disequilibrium

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X5XFXFXFXFXFXFXFXFXFXFXFXFXFXFXFXFXX
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AAZ70132
ID AAZ70:
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Ce consecutive nuclecticles from the Junar sequence as sequence with after coping and alignment at least 50 % identity to the Junar sequence as consecutive much set of the content of the content
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                              Cohen D, Blumenfeld M,
                                                                                                                                                                                                                                                                                                                             21-APR-1998;
23-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human genome, bhallelic marker; high density disequilibrium map; genomic map; haplotypa; phemotypa; polymorphic bease; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer; diagnosis; ss.
                                                                                                                                                                                     WPI; 2000-013267/01
                                                                                                                                                                                                                                                                                                                                                                                                  21-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human biallelic marker upstream amplification primer SEQ ID NO:4488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ70132 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 5 A; 2 C; 3 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                               (GEST ) GENSET.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09954500-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          therapy. This polynucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17 CAATTCAAAATGTGA 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                         98US-0082614
98US-0109732
                                                                                                                                                                                                                                                                                                                                                                                                  99WO-IB00822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.34;
                                                                                                                                                                                                                                  Chumakov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 13.4; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 17
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RESULT 107
AAT28506/c
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Best Local &
Matches 14
The sequences given in AAT28504-07 represent primers which were used in the method of the invention for the detection of F, aeruginosa in a sample. The method comprises using probes and/or amplification primers which are specific, uniquitous and sensitive for determining the
                                                                                                                                                                                                                                  Method for the detection of bacterial species using probes and
primers - allows detection and quantification of antibiotic
resistant bacteria in patients, the environment and food
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Detection; probe; amplification primer; becterial pathogen; pnumonia; Eacherichia coli; Klebsiella pnemoniae; Beadcamonae serojanoss; Proreus mirabilis; Streppiococcus pnumoniae; Beadcamonae serojanoss; Staphylococcus pidermidis; Entercipiococcus face, Staphylococcus serojanos; Etachylococcus serophyticus; Streppiococcus pyogenes; unitary tract; Staphylococcus serophyticus; Streppiococcus pyogenes; unitary tract; Heamophilus influences; Dorazella catarthalis; Septicaemia; meningitis; infection; intra-abdominal infection; Mini infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, well as the characterisation of the differential efficacious responses to and side forms.
                                                                                                                                                                   Claim 38; Page 46; 216pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W09608582-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P. aeruginosa detection primer #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT28506 standard; DNA; 19 BP
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                                                                                                                                                                                                                                                                                                                                                                              WPI; 1996-179953/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Bergeron MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 bacterial resistance; beta-lactam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18 BP; 1 A; 6 C; 3 G; 8 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         effects from pharmaceutical agents acting on a disease as well as other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ROYP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (OUEL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (BERG/) BERGERON M G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleotide sequences. AAZ69579 to AAZ77440 represent amplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            846 CTCCTCCTGGTGTAC 860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 CTCCTCCTGGTTTAC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ROY PH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OUBLIETTE M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouellette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94US-0304732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            95WO-CA00528
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                                                                                                                                                                                                                                                                                                                                                                                                                              <u>'3</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                        Roy
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Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                             PH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antibiotic;
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문 Ó

The invention relates to a retinoid X receptor-gamma (RXR-gamma) knockout mouse whose germ and somatic cells contain an insertion of

an

Example 2; Column 12;

20pp;

English

New genetically engineered nice containing alterations in the gene encoding retinoid X receptors, useful for identifying agomists and antagonists of the receptors and in studying retinoic acid mediated

WPI; 2000-531490/48.

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RESULT/ 108

AAA721197/C
ID AAA72197/C
XX
AC AAA7212/X
AC AAA721/X
AC AAAA721/X
AC AAAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse retinoid X receptor-gamma gene, RXK-gamma; exon Es, DNA binding domain; murine; transgenic animal; RXR-gamma knockout mouse; DNA binding domain; murine; transcription-PCR; RT-PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAA72197;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mis method may be used to desert commonly memoranteered bacterial pethologues, e.g. Senbarichia coli, Kubabuilla pneumoniae, Beaudomonas aaruginosa, Proteus mirabilis, Streppococcus pneumoniae, Staphylooccus aureus, Staphylooccus aphylooccus pidemdials. These processes, Hamman and Maria and Morarchia et al. 18. These brocesses, Hamman and Maria and Morarchia et al. 18. These bacterial species are associated with approx. 90 of urinary tract infections and with a high proventage of other severe infections. The sections and other severe respiratory ract infections. The settlements and other severe respiratory ract infections. The method may also be used to evaluate a bacterial resistance to the settlements and other severe respiratory tract infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   presence and/or amount of mucleic acids from selected bacterial species in any sample, where the bacterial nucleic acid comprises a selected target region hybridisable with the probes or primers. The method comprises contacting the sample with the probes or primers and detecting the presence and/or amount of hybridisable primers or amplification the products as and indication of the presence and/or amount of the products as and indication of the presence and/or amount of the
                                                                                                                                                                                                                                                                                                                                                                                                Chambon P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-AUG-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US6093873-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse retinoid X receptor-gamma gene exon E5 RT-PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA72197 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 4 A; 7 C; 3 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CNRS )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1003 TCTTGATGAACAGTG 1017
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CENT NAT RECH SCI.
UNIV PASTEUR LOUIS.
BRISTOL-MYERS SQUIBB CO.
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                                                                                                                                                                                                                                                                                                                                                                                                Kastner P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9708-0914256
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Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
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RESULT 109
ABA76909/c
ID ABA769
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**Communities** Communities** 
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                                                                                                  Method for desecting target bacterial species in a sample, compified by detecting the presence or amount of bacterial nucleic acid by a primer derived from bacterial DNA, specific for the target bacterial
Claim 14; Page 46; 168pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antibiotic
                                                                                                                                                                                                                                                                                     WPI; 2001-615034/71
                                                                                                                                                                                                                                                                                                                                                                Bergeron MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                           (IDII-) IDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-SEP-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-JAN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           706 CCGAAATTGCTGTGG 720
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89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCGAACTTGCTGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bacterial species; animal; food; environment; PCR primer; resistance; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                           INFECTIO DIAGNOSTIC INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                          Ouellette M, Roy PH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95NZ-0501596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95NZ-0501596
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
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Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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The invention relates to detecting target bacterial species be present in a sample, comprising contacting nucleic acids bacterial species with an amplification primer pair derived

s suspected s of target d from a

Claim 75; Page 95; 290pp; English

New polynucleotide encoding polymorphic A-Kinase anchor proteins for detecting an allelic variant of the human gene which is indicative or an alteration in signal transduction, and is related to a disorder e Alzheimer's disease

a disorder e.g

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RESULT 110
AAD28764/c
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bacterial species but ubiquitous for different strains amplifying mulsic acid and detecting the presence or amount of an amplifying section of the presence or amount of an amplifying satterial species. The invention includes primers and probes externial species. The invention includes primers and probes actorial species, respecially accoli, K. pneumoniae, P. acruginosa, P. mirabilis, S. pneumoniae, S. acoli, K. pneumoniae, P. acruginosa, P. mirabilis, S. pneumoniae, S. autophylicus, S. vyogenes, I. influenzae, M. ocharrhalis and/or group A Streptococci producing exotoxia A gene spe A, suspected to be present in a sample which is obtained from human patients, animals, environment or food, and which consists of the present in a sample with the present of the present of the producing species of the present of the producing species of the present of the producing species of the present of the present of the producing species of the present of the producing species of the present of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JUL-2000; 2000US-217251P
13-OCT-2000; 2000US-240335P
12-APR-2001; 2001US-0834700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; polymorphic A-Kinase anchor protein; AKAP; disorder; neurological; bipolar; cardiovascular; cardiovascular; cardiovascular; cardiovascular; cardiovascular; cardiovascular; cardiovascular; cardiovascular; obseity; obseity; obseity; cardiovascular; function; Alzheimer's disease; retinitis pigmentosa; left ventricular function; Alzheimer's disease; retinitis pigmentosa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           consists of one or more bacterial colonies. Oligonaciactic probes and primers complementary to the bacterial genese encoding presidence to antibotics such as bla(tess) bla(tos), bla(sh), aadB, aacCl, aacA, accCl, accA, accCl, ac
                                                                                                                                                                                                                                                                                                                   WPI; 2002-154919/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUL-2001; 2001WO-US21308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diabetes; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAD28764 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SEQU-) SEQUENOM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W0200204489-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bacterial DNA fragment (ABA76825-ABA76861) specific for the target
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Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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RESULT 111
AAZ39230/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               or to a disorder salected from cardiovascular, cardioc problems (constituted to the constituted to constitute the comprises a nucleotide other than A at position To corresponding to constitute the complement of NARP, or char than To fit be complement of NARP, or constituted to complement of NARP, and the detecting step is performed by allele specific hybridisation, primer constituted to the constituted to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 14; Conserv
           The invention provides polynucleotides corresponding to exon 2 and exon of human leukocyte antigen (HLA) alleles HLA-B*3913, HLA-B*1406 and
                                                                                                  Claim 16; Page
                                                                                                                                                                New polynucleotides for human leukocyte antigen, HLA, allele fragments,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hamani leukocyte antigen; HaA, allala, HaA-B9303; HAA-B*3406; human;
HAA-B*51; HAA-B81*0400; HAA-B881*040; HAA-B88*01; allala typing; exon;
major histocompatibility complex; NHC; probe; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to a polymucleotide encoding polymorphic A. Kinses anchor procesn (RARP), with isoclaurine residue at position 646 replaced with vuline, leucine or phenylalanine. AKB is useful for explaced with vuline, leucine or phenylalanine. AKB is useful for explaced with vuline, leucine or phenylalanine. AKB is useful for explanation in indicative detecting an allelia vuriant of a human AKBP10 gene which is indicative of an alteration in signal transduction, where the alteration is related
                                                                                                                                                                                                                                   WPI; 1999-634008/54
                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-0CT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W09954496-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Probe for typing HLA allele B*3913.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-FEB-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ39230 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                         (INNO-) INNOGENETICS NV
                                                                                                                                                                                                                                                                                                                                                                                                20-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAZ39230;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 7 A; 6 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 TTGTTGATAATATGG 5
                                                                                                                                                 for typing HLA alleles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTATTGATAATATGG 761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                      Mersch G,
                                                                                                  18;
                                                                                                                                                                                                                                                                                                                                                                                                98EP-0870088
                                                                                                                                                                                                                                                                                                                                                                                                                                                   99WO-EP02614
                                                                                          62pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
                                                                                                                                                                                                                                                                                      Rossau
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.4; DB 1;
Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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Query Match
Best Local Similarity
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8888888888888888888888888888

Sequence 18 BP; 3 A;

5 C; 4 G; 6 T; 0

other;

0.6%;

Score 13.2; DB 1; Pred. No. 1.6e+02;

Length 18;

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RESULT 112
AAZ22366/c
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CE HIA-DREWYORD THE ADVENTIGE AT THE ADVENTIGE HE ADVENTIGE
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Chybridizing the amplified produce using at Least one prime polymount
CE Mybridizing the amplified produce using at Least one prime polymount
CE Wybridizing to target regions comprising the or more polymount
CE Mybridizing to target regions comprising the or presence of the
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CE Allels in the sample sequence, to determine the absence or presence of the
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CE polymorle-cides comprising the prodest region encoded by the
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ARX22345-84 represent phosphorothiate antisense oligonucleotide which are directed against Paw (factor associated with N-Shase activation) mRNA, Paw is a mediator of tumor necrosis factor (TWP) induced activation of N-Shase. The antisense oligonucleotides are 8-30 mucleotides in length. The antisense oligonucleotides are useful for treating diseases associated with an inflammatory response.
                                                                                                                                                                                                                                                       Claim 3; Columns 27; 27pp; English.
                                                                                                                                                                                                                                                                                                                           Inhibition of the human FAN gene, useful for treating diseases associated with an inflammatory response - \!\!\!\!\!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Baker BF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ22366
                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-571295/48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tumor necrosis factor; antisense oligonucleotide; disease; inflammatory response; phosphorothicate; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Phosphorothicate antisense oligonucleotide directed against FAN mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ22366 standard; DNA; 18 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              genes from a human genomic library.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HOMO Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; FAN; factor associated with N-SMase activation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 785 AGACCACTAAGATGTAGC 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 AGCCCACTGAGATGAAGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cowsert LM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9808-0156425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98US-0156425
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Pred. No. 1.6e+02;
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RESULT 113
AAA92684
ID AAA926
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                                                                                                                                                                                 CC reall receptors comprise alpha and beta chains with the base chains CC invention of theta, beta diplate and Cheta regions. The present converted to the "ARRAGITY" movif (see ANA21989). The DESENTARY CC peptide is a common nevif found in the T ce! I receptors of a subset of the ANA21981. T ceils. The LGRAGITY peptide may be used to vaccinate common theoretic found in the T ce! I receptors of a subset of the CC patients for prevention of autonumen diseases e.g. multiple soleronis. The Common throughout the soleronis of autoimmune uvecoretinitis, mysethenis gravia, systemic lupus erythematosus. CC autoimmune uvecoretinitis, polymyositis, and certain types of diabetes. CC various human V gene fragments from T cell clome were isolated (see CC ANA91796 to ANA9577), which encoded peptides specific for the 83-99 CC peptide of myslin basic procein (MEP), which in turn is implicated in multiple soleronis. The ording regions of ANA91796 to ANA9577 were constituted to examine the Vegene rearrangments between individual MRB98-99 T cell clomes. The present sequences as PCC primer used to isolate the constraint of ANA9179 to the ANA9179 were constraints.
                                                                                        Matches
                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel oligonuclectide used as primer along with nucleic acid true
V-bera to J-beta of V-betali, gene or for detecting a peptide motif in T
portion of the V-beta 11.1 gene or for detecting a peptide motif in T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T cell receptor; human; Obstal3 1, vaccine, PCR primer; autoimmune disease; multiple scierosis; rhemacodid arthritis; myasthemia gravis; systemic lupus esythematosus; autoimmune thyroiditis; myasthemia gravis; systemic lupus esythematosus; autoimmune uveoretinitis; Graves; disease; inflammatory bowel disease; autoimmune uveoretinitis; polymyositis; diabetes; myelin hasio; procehin; MeP; as;
                                                                                                                                                    Sequence 18 BP; 4 A; 3 C; 8 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; Page 23; 59pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-572105/53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-JAN-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zhang JZ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BAYU ) BAYLOR COLLEGE MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-FEB-2000; 2000WO-US40006
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCR primer for human V gene fragment from T cell clone MS5-D2.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA92684;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA92684 standard; DNA; 18 BP
                                                       656 AGCTTTGGACAGAGGGTT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               779 CTGGAGAGACCACTAAGA 796
                       نبو
                                                                                        15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18 CTGGAGAGACTACTGACA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15;
                       AGCTTAGGÁCAGGGGGCT 18
                                                                                        Conservative
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                                                                                                       0.6%;
                                                                               0,
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                                                                                                    Pred. No. 1.
                                                                                      Mismatches
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                                                                                                       1.6e+02;
                                                                                                                     DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ω
•
                                                                                                                   Length 18;
                                                                                   Indels
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                                                                                 Gaps
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                                                                                                                                                                                                              RESULT 115
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                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                             Query Match
Brome mosaic virus
                                                                                                                                               AAD15569;
                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention provides antisense compounds taxgeted to a coding region, JUTR or 5'UTR of a nucleid acid molecule encoding human cPEL.

(transcriptional activator). The antisense compounds are useful as research agents and disgonarios such as in the abundation of the function of a particular gene. The antisense compounds can be useful as therapsurio modalities that can be configured to be useful in treatment regimes for treatment of calls, tissues and animals especially humans. In the prior art, there are no known the separation genes which the prior art, there are no known the separation genes which seffectively inhibit the synthesis of CEEL and additional seems capable of inhibiting cREEL function are still required. Sequence MACISSH--627 represent antisense hosphorochiouse collapseconymucleotides inhibiting human cerr and the corrections.
                            antisense target; ss
                                        Brome mosaic virus; BMV; 35kDa protein; genetic disease; therapeutic;
                                                                            Brome mosaic virus (BMV) 35kDa protein target DNA #7
                                                                                                                15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18 BP; 0 A; 3 C; 7 G; 8 T; 0 other;
                                                                                                                                                                              AAD15569 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                              human cREL mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Column 27; 26pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-DEC-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human cREL mRNA inhibiting antisense oligo ISIS #24078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAZ39594;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ39594 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antisense modulation of human cREL expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-061889/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US6001652-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            therapeutic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; cREL;
                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                             805 CIGITGITGICCCIGCIG 822
                                                                                                                                                                                                                                                                                                                              15;
                                                                                                                                                                                                                                                              CGGITGITGICIGCIG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cowsert LM,
                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transcriptional activator; antisense compound; ss.
                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0156253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98US-0156253
                                                                                                                                                                                                                                                                                                                                          83.3%;
                                                                                                                                                                                                                                                                                                                                                             0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Baker BF
                                                                                                                                                                              BP
                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                            Score 13.2; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                           Length 18;
                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                         Gaps
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RESULT 116
AAD15570/c
ID AAD155
                 PROCESS AND ACCORDANCE OF THE PROCESS ACCORD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a method for selecting optimal subsequence antisense targets. The method involves preparing an antisense cargets and appared to the property of the continuous parts of the continuous parts of the carget many sequences, as well as antisense oligonucleotises capable of binding DNA. The antisense and antigene libraries are useful for preparing therapeutic agents for the treatment of genetic disease. The present DNA sequence is scome mosals "vitus BMY) SANDA protectin target DNA related to the
              14-FEB-2000; 2000US-0504653
                                                            14-FEB-2001; 2001WO-US04732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAD15570;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD15570 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Selecting optimal subsequence antisense targets for inhibition of mRNA expression of target mRNA for the therapeutic treatment of genetic
                                                                                                              23-AUG-2001
                                                                                                                                                            W0200161030-A2
                                                                                                                                                                                                                                                                                                                                                     Brome mosaic virus.
                                                                                                                                                                                                                                                                                                                                                                                                    antisense; phosphorothicate backbone; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                      Brome mosaic virus; BMV; 35kDa protein; genetic disease; therapeutic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BMV 35kDa protein gene targetted antisense oligonucleotide #7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Note: The present sequence is shown as DNA in the specification; however, in vivo, this target sequence would be mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 3; Page 22; 87pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-529916/58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bollon AP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-FEB-2001; 2001WO-US04732.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200161030-A2
                                                                                                                                                                                                                                                                           modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (JUSE/) JU-SEOG L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (BOLL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-FEB-2000; 2000US-0504653.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          y Match 0.6%;
Local Similarity 83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               889 CCCATGTCTACCAAAGTT 906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GRAY D M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCGATGTCTAACATAGTT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gray DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                              Location/Qualifiers
1..20
                                                                                                                                                                                                       /note= "Phosphorothioate backbone"
                                                                                                                                                                                                                                                     /*tag=
                                                                                                                                                                                                                                _base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ju-Seog L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.2; DB 1; Length 18; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                     XXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               뭉
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RXFFFXXX668686888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
New electrophoretic device, useful for simultaneous analysis of fluorescentry labeled molecules such as for modela acid sequencing, comprises specific combination of dyes, lasers and detector systems
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF61531;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAF61531 standard; DNA; 18 BP
                                                                                                       WPI; 2001-246202/26
                                                                                                                                                                                                                                                  07-0CT-1999;
                                                                                                                                                                                                                                                                                            07-0CT-1999;
                                                                                                                                                                                                                                                                                                                                                                                             DE19948391-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-529916/58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bollon AP, Gray DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (BOLL/) BOLLON A P. (GRAY/) GRAY D M. (JUSE/) JU-SEOG L.
                                                                                                                                                                                                                                                                                                                                              12-APR-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fluorescent emission; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       889 CCCATGTCTACCAAAGTT 906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18 CCGATGTCTAACATAGTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                              99DE-1048391
                                                                                                                                                                                                                                                                                            99DE-1048391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ju-Seog L;
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antisense targets. The method involves preparing an antisense oligonucleotide capable of inhibiting mRNA spression of target mRNA sequences, as well as antisense oligonucleotides capable of binding DNA. The antisense and antisense liboraties are useful for preparing therapeutic file antisense and antisense liboraties are useful for preparing therapeutic agents for the treatment of genetic disease. The present DNA sequence is phosphorothicate antisense oligonucleotide which is targetted to Brome
Ansorge W, Stegemann J, Ventzki R, Schwager
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Primer; gel electrophoresis; detection; nucleic acid sequencing; dye;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Electrophoretic device associated fluorescently labelled primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 6 A; 3 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mosaic virus (BMV) 35kDa protein gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a method for selecting optimal subsequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 3; Page 22; 87pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Selecting optimal subsequence antisense targets for inhibition of mRNA expression of target mRNA for the therapeutic treatment of genetic
                                                                                         (EMBL-) EMBL EURO LAS MOLEKULARBIOLOGIE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            note= "5'-end labelled with TR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.2; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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RESULT 118
AAF61545
ID AAF615
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches 15
                                                                                                                                                07-0CT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Electrophoretic device-associated fluorescently labelled primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       molecules which comparises (i) a set of parallel gel electrophoresis tracks (III), extending along a molecular distribution direction (M); (ii) energy source (TW) for applying electrical potential to both ends of (IIII) (iii) a set of leases that con excite several different fluorescent labels (F) on (III), with a least come (F) having different fluorescent labels (F) on (III), with a least come (F) having different
(EMBL-) EMBL EURO LAB MOLEKULARBIOLOGIE
                                                                             07-OCT-1999;
                                                                                                                                                                                                                              12-APR-2001
                                                                                                                                                                                                                                                                                                 DE19948260-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acid sequencing; fluorescent dye; electrophoresis; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF61545;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAP61545 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18 BP; 10 A; 1 C; 5 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a primer used to illustrate the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel electrophoretic device (I) for analysis of fluorescently labeled molecules (II), particularly biological
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 24; 52pp; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  911 ATTCAAAATGAGAAAAGA 928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATGGAAACTGAGAAAAGA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                        99DE-1048260
                                                                                                                                                99DE-1048260
                                                                                                                                                                                                                                                                                                                                                                          /*tag= a
/mod_base= "OTHER'
/note= "5'-end lab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       83.3%;
                                                                                                                                                                                                                                                                                                                                                                          "5'-end labelled with TR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.2; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0,
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XXXFFFXXXX333333333333333
                                        using different F in a single electrophoretic track, and many tracks can be analyzed in a single run, with 0,2 million bases or more, determined on a single gel plate with 384 tracks. This reduces costs, reagent consumption and labor involved in large-scale sequencing projects. This sequence represents a fluorescently labelled primer used to illustrate the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ansorge W,
Wurmbach B;
                                                                                                                                                                                 (P) and from a sequencing reaction, are separated in a single track according to size and analyzed independently of each other. The method is used to analyze products of muclei cards sequencing reactions.

Simultaneous evaluation of four or more sequencing reactions can be done
                                                                                                                                                                                                                                                                             This invention describes a novel method for the analysis of nucleic acids (NA) in which four products (A), labelled with different fluorescent dyes
                                                                                                                                                                                                                                                                                                                                                 Example 1; Page 6; 10pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                     New analysis of nucleic acid, useful for sequencing, comprises separating four differently labeled products in a single track and
                                                                                                                                                                                                                                                                                                                                                                                                    independent detection
18 BP; 10 A; 1 C; 5 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Benes V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Faulstich K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stegemann J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ventzki
                                                                                                                                                                                                                                 The method is
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Matches
                                                          Query Match
                                                    Local
                   911 ATTCAAAATGAGAAAAGA 928
                                        15; Conservative
ATGGAAACTGAGAAAAGA 18
                                                 83.3%;
                                                           0.6%;
                                        0;
                                      Score 13.2; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 3
                                                          Length 18
                                        Indels
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                                      Gaps
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RESULT 119
AAD38648
                                          10-SEP-2002
                                                                            AAD38648;
                                                                                                            AAD38648 standard; DNA; 18
Human Vbeta-Dbeta-Jbeta region specific RT-PCR primer, MSS-D2.7.
                                       (first entry)
                                                                                                            β₽
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Numan; autoimmume disease; multiple sclerosis; MS; Ubeta; Cbeta; Vbeta; Dbeta; immunosuppressive; T-cell receptor; reverse transcription; RT; therapy; PCR; primer; ss.
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Homo sapiens.
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22-AUG-2000; 2000WO-US22988
                                        22-AUG-2000; 2000WO-US22988
                                                                                28-FEB-2002
                                                                                                                     WO200216434-A1
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00000000 11000 11000	disease e.g. multiple sclerosis (MS). More parti-	The invention relates to a peptide used in the t		Example 2; Page 25; 64pp; English.			A novel peptide used in the treatment of autoimm		WPI; 2002-452164/48.		Zhang JZ;		(BAYU ) BAYLOR COLLEGE MEDICINE.		22-AUG-2000; 2000WO-US22988.		22-AUG-2000; 2000WO-US22988.		28-FEB-2002.		WO200216434-A1.		Homo sapiens.		erapy; PCR; primer; ss.		Human; autoimmune disease; multiple sclerosis; M		Human Vbeta-Dbeta-Jbeta region specific RT-PCR p	

wne disease e.g

The invention relates to a peptide used in the treatment of autoimmune disease e.g. multiple sclerosis (MS). More particularly, it concerns a

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ABIJ1599/c
ID JABIJ15199/c
AD ABIJ15199/c
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AD ABIJ15199/c
AD ABIJ15199/c
AD ABIJ15199/c
AD ABIJ15199/c
AD ABIJ1519/c
AD ABIJ1519/c
AD ABIJ1619/c
AD ABIJ1619
                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                The invention relates to a typing kit for judging human leukocyte antigen IHLA) genotype of a semple by hybridising a substrate on which 10-2k base oligonucleotides (ABLJ0512-ABLJ1809) originating in the sequences of genes s.g. belonging to HHA. Class I antigens on human genome and containing gene polymorphisms as alloantigens have been immobilised as primers for amplification of cleaved nucleic acids relating to gene polymorphisms. The method is useful for judging HMA genotypes of individuals by determining imminogenetic differences before transplanting between them, providing genetic information to decide compatibility of cryan and tissue for transplantation e.g. of bone marrow, kidney liver, pancrass, Langerthans slate tin pancrass and cornea, susceptibility of pancrass, Langerthans slate tin pancrass and cornea, susceptibility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human leukocyte antigen (HLA) typing, useful for judging HLA genotypes
of individuals e.g. by determining immunogenetic differences when
transplanting between them -
                                                                                     Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 10; Page 298; 345pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-122074/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-2000; 2000JP-0164798
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-DEC-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      detection. To cell receptors comprise alpha and beta chains, with beta chains comprising the following regions from N-terminus: Octaminus: Voeta-Dbeta-Dbeta-Cbeta. To cell receptors naturally wary in the Voeta-Dbeta-Dbeta-Speta. The peptides of the invention are used for treating aucoimmine disease e.g multiple sclerosis. The present sequence is a reverse transcription (RT)-RCR primer specific for human Vaeta-Dbeta-Dbeta junctional regions of independent MBRB3-99 T cell coles. This sequence is used in the exemptification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Inoko H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUN-2001; 2001WO-JP04662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200192572-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; human leukocyte antigen; HLA; genotype; polymorphism; immunogenetic; transplantation; genetic disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human HLA genotyping oligonucleotide SEQ ID NO 1084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NISN ) NISSHINBO IND INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        T-cell receptor sequence found in some MS patients and methods for its detection. T cell receptors comprise alpha and beta chains, with beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    656 AGCTTTGGACAGAGGGTT 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kagiya T,
                                                                                     BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                     N
                                                                                     A
                                                                           5 C; 5 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ichihara T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
     0.6%; Score 13.2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.2; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matsumura Y, Moriya S,
     DB 1;
Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 18
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RESULT 122
ABF71713/c
ID ABF717
                                                                                                                                                                                              RESULT 121
ABF71712
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ś
                                                                                                                                  Matches
                                                                                                                                                 Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                           This invention describes novel oligonucleotide primers or peptide nucleic acid (BNA) oligoners for detecting single nucleotide symporphisms (SNP) and optosize methylation status in chemically pretracted genomic DNA. The oligonucleotides are used for disgnosts and/or prognosts of cancer and a range of diseases including immune system, gastrolinestinal, respiratory, entral nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. BACOUGL-BESSORT approach the oligoners described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in selectronic format from MIPO at fip-wipo.int/pub/published_pot_sequences.
ABF71713 standard; DNA; 13 BP
                                                                                                                                                                                        Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID 171709; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                               methylation status -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 171709 for detecting SNP TSC0042802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EPIG-) EPIGENOMICS AG
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                                                                                             742 GAGGATTATTGAT 754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         785 AGACCACTAAGATGTAGC 802
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15;
                                                                                                                                               Similarity
                                                                       GAGGATTATTGAT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acid; cytosine methylation; cardiovascular;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGCCCACTGAGATGAAGC 1
                                                                                                                                  Conservative
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                                                                                                                                               100.0%;
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                                                                                                                                                              0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Berlin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     쁑
                                                                                                                                  0
                                                                                                                                               Score 13; DB 1;
; Pred. No. 98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. 1.6e+02;
                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              diagnosis; PNA;
                                                                                                                               0
                                                                                                                                                            Length 13;
                                                                                                                               Indels
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ABF71713

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ABH29586
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            range of diseases including immune system, gastrointestinal, respiratory, contral nervous system, conditionation of sorders. The collipseur are also used for detecting cell type differentiation. DECOMIO-ABEOSSIS, ABFORDIA-BRESSIS, ABBORDIA-BRESSIS, ABBORDIA-BRESSI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-APR-2000; 2000DE-1019173
                                                                        WO200177384-A2
                                                                                                                                                                                                                                                                SHP, single nucleotide polymorphism, human; diagnosis; PNA, cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular; primer; sg. central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oligonucleotide SEQ ID NO 229563 for detecting SNP TSC0055984
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100.0%; Pred. No. 98;
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       This invention describes novel oligonucleotide primers or peptide municis and (PNA) oligonars for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically precreated genomic DNA. The oligonucleotides are used for diagnosts and/or prognosts of concer and a range of diseases including immune system, gentrointestinal, respiratory, contral nervous system, catiovascular and metabolic disorders. The colligonars are also used for detecting cell type differentiation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Olek A,
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MERONOLI-MEROSYST Expressor the oligoners described in the invention.
                                                                                                                                                                                                                                     Claim 1; SEQ ID 249419; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                          See of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-APR-2000; 2000DE-1019173
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 249419 for detecting SNP TSC0060923
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 229564; 29pp + Sequence Listing; German
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MICROIN-MISRORI represent the oligomers described in the invention.

MICROIN-MISRORI represent the oligomers described in the invention.

MICROIN-MISRORI represent the oligomers described in the invention.

MICROIN-MISRORI but was obtained in electronic forma part of the printed specification, but was obtained in the sectornic format from WHO at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oligonucleotide SEQ ID NO 249420 for detecting SNP TSC0060923
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                                                                                                                                                                                    Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 249420; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  methylation status
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nes 13; Conservative
906 TTACAATTCAAAA 918
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100.0%; Pred. No. 98;
                                                                                                     0.6%; Score 13; DB 1; Length 13; 100.0%; Pred. No. 98;
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                                                                                                                                                                     RESULT 128
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a typing kit for judging human leukcopte antigen (HiA) genotype of a sample by hybridishing a substrate on which 10-24 base oligonucleotides (ABL30512-ABL31809) originating in the sequences of genes e.g. helooging to thim class I antigens on human genome and containing gene polymorphisms as allowartigens have been immobilised as primers for amplification of cleaved mucleic acids relating to gene polymorphisms. The method is useful for judging HIA genotypes of molividuals by determining immunogenetic differences before transplanting between them, providing genetic information to decide compatibility of organ and tissue for transplantations e.g. of bowe marrow, kiney, liver, pancress, Langerhams splet in puncress and cormax susceptibility disposes of comments of the provided pancress, Langerhams splet in puncress and cormax susceptibility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human laukcoyte antigen (HLA) typing, useful for judging HLA genotypes
of individuals e.g. by determining immunogenetic differences when
transplanting between them
Probe YZ24 to N-ras codon 12
                                                        25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                            Sequence 16 BP; 6 A; 3 C; 5 G; 2 T; 0 other;
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                                                                                                                                AAQ13905 standard; DNA; 16 BP
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                                                                                                                                                                                                                                                                                                                    0.6%; Score 13; DB 1; Length 16; 100.0%; Pred. No. 1.5e+02;
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AAV49185/c
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Best Local Similarity 87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This price corresponds to the sequence around coden 12 of the ras p21 gene it is one of 63 process which are of use in detecting point mutations in muclaic acid sequences encoding ras proteins, specifically at positions 12, 13 and 61, three potentially oncogenic sites. See AAQ13900-012923.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Method for detection of point mutation(s) in nucleic acid segments - where segments encode GTP binding protein or sub-unit and method involves amplification followed by sequence-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ras; point mutation; oncogenesis; PCR; tumour; ss.
              WPI; 1998-400910/35
                                                                                                                                                                                                                                                                                                                                                                      rb gene antisense oligonucleotide rb-N-133.
                                                                                                                                                                                                                                                                                                                                                                                                                15-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV49185;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV49185 standard; DNA; 16 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 16 BP; 2 A; 2 C; 8 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example; Page 57; 69pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               probe hybridisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mccormick FP, Lyons JF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-FEB-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-FEB-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-AUG-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W09112343-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                  Brysch W,
                                                                                                                           31-JAN-1997;
                                                                                                                                                               31-JAN-1997;
                                                                                                                                                                                                       05~AUG-1998
                                                                                                                                                                                                                                        EP856579-A1.
                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                  rb gene; antisense oligonucleotide; modulate; gene expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Updated on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1991-267154/36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CETU ) CETUS CORP.
                                                                                    (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               72 GAGCCGCGGGTGTTGG 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GAGCAGCTGGTGTTGG 16
                                                  Schlingensiepen K;
                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                           97EP-0101531.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90US-0477260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91WO-US00858
                                                                                                                                                               97EP-0101531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 12.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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9 Gaps

0;

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10 AXXS3890 AXXSS890 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.6%;
Best Local Similarity 87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            that can each form three hydrogen bonds to cytosing; do not contain four consecutive mullectides able to form three hydrogen bond to four consecutive cytosines; do not contain two sequences of three consecutive cytosines; do not contain two sequences of three consecutive cytosines and the ratio between residues able to form three three consecutive cytosines and the ratio between residues able to form three three consecutive consecutives are used to modulate expression of genes, particularly the genes for poils send to be a to control proliferation of primary cell cultures (e.g. bone matroy este in the following control as control as the control proliferation of primary cell cultures (e.g. bone matroy este in the control that expression control to the control that expression control to the control that expression control that expression control to the control to th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the rb gene. Of these, only oligomucieotides ANV49008-52 resulted in effective downsequiation of negative growth control by rb, while oligonucleotides ANV49052-256 had little effect. The oligonucleotides examplify the invention. The specification describes oligonucleotides that contain 8-30 mucleotides, which contain at most 8 nucleotides that contain 8-30 mucleotides, which contain at most 8 nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Arthritic condition; graft tolerance; immune response; target; cleavage; harmethead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase; stronelygin; gynovial membrane; joint, arthritis; cstecarthritis; rheymatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX63890 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Preparation of antisense oligo:nucleotide(s) which lack long runs a consecutive guanosine or inosine - and have specific ratio of residues able to form two or three hydrogen bonds, have greater activity and reduced toxicity, used therapeutically or to modulate
                                                                                                      20-APR-1995
02-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oryctolagus cuniculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16 BP; 6 A; 0 C; 2 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAV49008-236 represent antisense oligonucleotides directed against the rb gene. Of these, only oligonucleotides AAV49008-52 resulted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 growth of cells in culture
                                                                                                                                                                                                                                                                                                        05-0CT-1995
                                                                                                                                                                                                                                                                                                                                                                       22-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     W09618736-AZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rabbit stromelysin hammerhead target SEQ ID NO:522.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 7; Fig 9c; 286pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1984 TTARATACAATATCAT 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 TTAAATTCAAAATCAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
94US-0354920
94US-0363253
94US-0363254
95US-0390850
95US-0426124
95US-043409
95US-0400951
95US-0000974
                                                                                                                                                                                                                                                                                                        95US-0541365
                                                                                                                                                                                                                                                                                                                                                                       95WO-US15516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. 1.6e+02;
Virmatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 131
AAA18678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                               07-OCT-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-JUN-2000
                                                                                                                                                                                                                                                       Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss
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The present invention describes a novel enzymatic mucleic acid (SNA) having a hammerhead motif (IM) comprising: (i) at least 5 those residues; (ii) a 2"-c-allyl modification at position 4 of the SNA; (iii) at least ten 2"-omethyl modifications; and (iv) a 3"-end modification at least ten 2"-omethyl modification; and (iv) a 3"-end modification. The SNA; so an inhibit collasgemase and excomelysin production in the synovial membrane of joints for the treatment or prevention of arthritis particularly ossessationathics or phematorid arthritis. The SNA 5 can also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Draper K, Gustofson J, McSwiggen J, Pavoo P, Stinc
Beigelman L, Karpsisky A, Modak A, Usman N, Burgin
Matulic-Adamic J, Jarvis T, Thompson JD, Wincott F;
                                          expression which accompany treatment with retinoids and dexamethasone. The concentration of ribosyme required to affect a therapeutic treatment is lower than that required of artisense molecules, and is highly specific. The present sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                              be used in diagnosis. Ribozyme therapy impacts on the expression of stromelysin without introducing the non-specific effects upon gene
                                                                                                                                                                                                                                                                                                                                                                                            be used to treat antigen presenting colls of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for enhancing graft tolerance or for treating autoimmune disease, and for treating alterigues, and other inflammatory conditions. The ERWs can also treating alterigues and other inflammatory conditions.
present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 154; 307pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     treatment of auto-immune diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic nucleic acid molecules having a hammer-head motif - used for the treatment of arthritis, induction of graft tolerance or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1996-300653/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9506-0512861
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Burgin A;
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## Matches 10; Sequence 17 BP; 4 A; 3 C; 5 G; 5 U; 0 other; Local Similarity 771 TCATAACTCTGGAGAG 786 UGAUAACUCUGGAGUG 16 Conservative 0.6%; 4, Score 12.8; DB 1; Pred. No. 1.8e+02; Mismatches 1; Length 17; 0; Gaps

0

AAA18678 standard; RNA; 17 BP

AAA18678;

Human TIE-2 substrate sequence SEQ ID NO:1904. (first entry)

limman; art) Nydrocarbon nuclear transport; ARMT, TIE-2; angiogenesis; integrin alpha 6 sabunit; integrin submant bera 3 hairpin ribozyme; hammethead ribozyme; angiogenic factor; cytostakic; antidiabetic; ophthalmologic; antiinfammatory; antiartiritic; antipaociatic; ARMP; demmatolog; cal.; RN cleavage; caloer; diabetic retinopathy; arthritis

age related macular degeneration; inflammation; neovascular glaucoma; myopic degeneration; psorniasis; verruca vulgaris; angiofibroma; tuberous sclerosis; por-wine stain; Sturge Weber syndrome;

Homo sapiens.

W09950403-A2

24-MAR-1999; 99WO-US06507

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RESULT 132
AAA18679
ID AAA186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AbA23422 represent their corresponding target sequencie. The ribozymes of the invention are used for modulating the synthesis, expression and/or stability of an make encoding angiogenic factor, sepecially ARM7, integrin submit alpha-6, or Yie-2. They are especially used to treat cancer, diabetic retinopathy, age related macular degeneration (ARM), inflammation, and arthritis, as well as neovascular glaucoma, myopic degeneration, psoriasis, vertuca vulgaris, angiotibroms of tuberous solarosis, polytane stabins, Surge Waber syndrome, Kippel-Transumay-Waber syndrome, Oglez-Waber Tahin, Surge Waber and Chier syndrome, come of the syndrome and chier syndrome and diseases rejected to the lavels of RAM7 (The 2), and the syndrome comes and diseases rejected to the lavels of RAM7 (The 2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl hydrocarbon nuclear transporter (ART) gene, an integrin shbuilt beta 3 gene, an integrin alpha 6 subunit gene, or a fie-2 gene. AAA1675 to AAA11761 and AAA1762 represent riboryme sequences for ARVI and AAA1763 to AAA1763 by AAA1763 by AAA1764 represent their corresponding target sequences; AAA1768 to AAA1983 and AAA19807 to AAA1914 represent riboryme sequences; AAA1768 to AAA1893 and AAA1980 to AAA1914 represent riboryme sequences for Tie-2, and AAA1898 to AAA1998 to AAA1918 by AAA1898 to AAA1989 to AAA1918 by AAA1898 to AAA1989 to AA
                                                                                                                                                     Human; aryl hydrocarbon nuclear transport, ANVI, TE-2, angiogenesis, integrin alpha 6 albunit, butegrin albunit beta 3 hairpin rabozyme, integrin alpha 6 albunity, butegrin albunit beta 3 hairpin rabozyme, bammerhead ribozyme, angiogenic factor; cyrostatic, antidiabetic, ophthalmelogic, antiinilamancory, antiatribrito, antipaoriatic, ANVI, ophthalmelogic, antiinilamancory, antiatribrito, antipaoriatic, ANVI, dermatological, RNA cleavage; cancer; diabetic retinopathy arthritis, age related menular degeneration) inflammention, moveseular glaucoma; age related menular degeneration) inflammention; moveseular glaucoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 6 C; 1 G; 5 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and AAA1915 to AAA19222 represent their corresponding target sequences, AAA1923 to AAA0361 and AAA1101 to AAA21595 represent thioxyme sequences requences for integrin alpha 6 subunit, and AAA2162 to AAA2150 represent their corresponding target sequences, AAA1168 represent their corresponding target sequences, AAA21696 to AAA21475 and AAA21580 to AAA22147 to AAA22147 to AAA22147 to AAA22147 and AAA21680 represent thioxyme sequence for integrin subunit, peta 3, and AAA22160 to AAA221476 to AAA221476 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel ribozymes for modulating the synthesis, expresstability of an mRNA encoding an angiogenic factors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAR-1998;
                               Homo sapiens
                                                                              Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss
                                                                                                  myopic degeneration; psoriasis; verruca vulgaris; angiofibroma; tuberous solerosis; pot wine stain; Sturge Weber syndrome;
                                                                                                                                                                                                                                                                                                                                               Human TIE-2 substrate sequence SEQ ID NO:1905.
                                                                                                                                                                                                                                                                                                                                                                                                      19-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAA18679 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           integrin subunit alpha-6, or integrin subunit beta-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 56; Page 110; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1027 CAMBATTTCCARGCAC 1042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 CAAUAUUUCCAAGCUC 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98US-0079678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         68.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ω,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12.8; DB 1; Length 17;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Coeshott C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.8e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        expression and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              McSwiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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                                                                                                                                                                                                                                                                                                                                                                                              AAF01818
                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 133
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                       W0200061729-A2
                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                16-FEB-2001
                                                                                                                                                                                                                                                                                                               AAF01818;
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                                                                                                                              interferon alpha; ss.
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The present invention describes enzymatic mucleic acid molecules with Mx Cleaving activity, which specifically cleave RNA mocoded by an axt) hydrocarbon nuclear transporter (ARNY) gene, an integrin submit beta 3 comes, and integrin submit beta 3 comes, and advantage of the Manifest to ANA1752 to ANA1762 and ANA1763 to ANA1762 and ANA1763 to ANA1762 and ANA1764 represent their corresponding target sequences; ANA1645 to ANA1684 compressed their corresponding target sequences; ANA1645 and ANA1965 to ANA1686 to ANA1966 and ANA1965 to ANA1968 and ANA1966 and ANA1968 to ANA1968 to ANA1968 to ANA1968 to ANA1968 and ANA1968 to ANA1968 to ANA1968 to ANA1968 and ANA1968 and ANA1968 to ANA1968 and ANA1968 analysis and ANA1968 analysis and ANA1968 and ANA1968 analysis and ANA1968 analysis analysis and ANA1968 analysis and ANA1968 analysis analysis and ANA1968 analysis analysis and ANA1968 analysis anal
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Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                       Hammerhead ribozyme substrate #113.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF01818 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 12.8; DB 1;
Pred. No. 1.8e+02;
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RESULT 134
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Matches
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                        Enzymatic and antisense nucleic acid inhibition of repressor genes useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin -
     Claim 37; Page 58; 164pp; English
                                                                             WPI; 2000-647423/62
                                                                                                    Blatt L,
                                                                                                                                                                                                19-OCT-2000
                                                                                                                                                                                                                                                                  Ribozyme; erythropoietin; granulocyte colony stimulating factor; interferon alpha; ss.
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                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                            (RIBO-) RIBOZYME PHARM INC
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                                                                                                 McSwiggen J
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                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 4 A; 7 C; 3 G; 3 T; 0 other;
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Similarity 87.5%;
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CCCATCTCTACCAAGG 17
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                                                                                                                                                           Conservative
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                                                                                                                                                                                  Score 12.8; DB 1;
Pred. No. 1.8e+02;
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Pred. No. 1.8e+02;
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                                                                                                                                                      Mismatches
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                                                                                                                                                2;
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                                                                                                                                                Indels
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                                                                                                                                     Gaps
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2 ATTTCCATTCACTGGA 17

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Co The present invention provides single-estranded oligonucleotide which can college used for the targeted alteration of genomes expenses where the college is the targeted alteration of genomes expenses are demonst to the following genes: adenosine deaminase, p33, beta set discreted at the following genes: adenosine deaminase, p33, beta set discreted at correctional sectors. BRCA1, SETT, cyclin-dependent kinase inhibitor 2A (CONNA), AFC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus (CONNA), AFC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus appliposocial E (AFOS), LDL receptor (LDLE), UDP-glacuromos/ltamisterase (UCTI), amyloid precureor protein (AFC), presentilin-1 (PSRM1) and preceded the college of the inventions of the college of the college of the inventions of the college of the college of the inventions of the college of the college of the inventions of the college of the college of the inventions of the college of the college of the inventions of the college of the college of the college of the inventions.
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                                                              Matches
                                                                                                                                           Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 7; Page 270; 294pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; gene therapy; ademosine deaminase deficiency; pS3; beta-globin, retinoblastoma; BRCA1; BRCA2; CFTR, cyrait. fibrorist cancer; Rector V; cyrlin-dependent kinase inhibitor 2A; CDNRAN, melanoma; APC; HBRA1, HBRA2, ademonatous polyposis of the colon, Factor VII, Factor IX; bhombosis; haemoglobin alpha locus I; MIRI; AROS; mismatch repair, WSHI; MSR45; hyperlipidaemia apoblopored: B; LULR; familial hypercholesterolaemia; UUT; syndrome; AP; ESBRI antisense; UPP-gloucroosyltransferase; amyloid presumeror protein; presentin; III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oligonucleoride for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemical modification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-639230/73.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2000; 2000US-192176P.
27-MAR-2000; 2000US-192179P.
01-JUN-2000; 2000US-208538P.
30-OCT-2000; 2000US-244989P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antilipemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABA81360 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-JAN-2002
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                                                                             Local
1031 ATTTCCAAGCACTGGA 1046
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                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gamper HB,
                                                                                                                                        BP; 4
                                                        Conservative
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                                                                                                                                     A; 4 C; 3 G; 6 T; 0 other;
                                                                          0.6%;
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N
                                                                          Score 12.8; DB 1;
Pred. No. 1.8e+02;
                                                     Mismatches
                                                                                        Length 17;
                                                  Indels
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1031 ATTTCCAAGCACTGGA 1046

0

Mismatches

Indels

0, Gaps

0,

Matches

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ABA81361/c
ID ABA813
                                                                                                                                   Ce The present irrention provides single-stranded oligonucleotides which can cobe used for the targeted alteration of genomic sequences, where the coligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p3] beta-globin farected at crimbiatoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A (CONNAN), RCC, Pattor V, Pactor VIII, Rattor IX, haemoglobin alpha locus 2 (HBA1), haemoglobin alpha locus 2 (HBA1), MSH2, WSH2, WSH2, CR applipsprotectin 3 (APDE), LDL receptor (LDLR), UDP-glucuronosyltransferase (UGT1), amyloid precursor protein (APD), presentlin-1 (PSBN1), Dhese can be used in the gene therapy of diseases such as cancer, adenomine deeminase deficiency, cystic fibrosis. Contaminating the sease, melanoma, adenomatous polyposis of the colon and control of the inventions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 137
        Query Match
Best Local
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27-MAR-2000; 2000US-192179P.
01-JUN-2000; 2000US-208538P.
30-CCT-2000; 2000US-244989P.
                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 7; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligomoelectide for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemical modification -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; gene therapy, adenosine desminase deficiency; p53; beta-jobin; retinoblascoma; BECA1; BECA2; CFFE; oyetic fibrodis; cancer, Rator V; cyclin-dependent kinase inhibitor 2A; CD802A; melanosa; ARC; HBA1; BRA2; adenomatous polyposis of the colon; rector VII; Peccor II; HDA2; sidemontous polyposis of the colon; rector VII; Peccor II; LDA3; sissentch repair; MS12; MS16; byperlijademia; apolipopoces MII; LDA3; sissentch repair; MS12; MS16; byperlijademia; apolipopoces MII; LDA3; cancer; UDP-glucuronosylttansferase; amyloid procursor procesh purcesh poceshiporate in the color of the co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-639230/73.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-JAN-2002
h 0.6%;
Similarity 87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gamper HB,
                                                                                   BP; 6 A; 3 C; 4 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           270; 294pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rice MC;
Score 12.8; DB 1;
Pred. No. 1.8e+02;
                     Length 17;
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16
ATTTCCATTCACTGGA 1
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12-MAR-2002 ABK02559 standard; RNA; 17 (first entry) BP.

Human NOGO Amberzyme #231.

Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; notropics; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene, NG30; hamenfread ribozyme; bhayme; incoyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; e-cell lymphoma; non-indghin; lymphoma; HHL; hymphocytic leukaemia; human immunodeficiency virus; HHV associated MHL; martle-cell lymphoma; NGL; immunocytoma; NGC; immunocytom

Synthetic Homo sapiens

WO200159103-A2

16-AUG-2001

09-FEB-2001; 2001WO-US04273

06-MAR-2000; 28-FEB-2000; 11-FEB-2000; ; 2000US-181797P. ; 2000US-185516P. ; 2000US-187128P.

(RIBO-) RIBOZYME PHARM INC BLATT L.

(CHOW/) CHOWRIRA B M. MCSWIGGEN J

Blatt L, McSwiggen J, Chowrira BM

WPI; 2001-607195/69

Nuclaic acid molecules, e.g., enzymatic nuclaic acids and antisense constructs, which down regulate expression of a 020 ogue or constructs growth inhibitor gene useful for treating, e.g., lymphoma, fuculenta, and central nervous system injury

Claim 88; Page 135; 200pp; English.

RRESULT/ 138

RRESULT/ 138

ARKO2559

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XX The Circle invention relates to a nucleic acid molecule which down regulates coresponsion of a CD20 game and a nucleic acid melecule which down crepulates expression of a market growth inhibitor game (NCOO).

Circle Mayres an incorpse (an each section because the core of the nucleic acids and by be emphasized multicle acids (e.g. a ribozyme or a CC DMAyres) an incorpse (an each section color acid cleaving a an NRH molecule concleti) pays anther property of the nucleic acid cleaving an NRH molecule concleti) pays anther you must be no concerned with a cell to reduce the collection of a division coll to reduce the collectivity of the cell and cell in the CD20 -targetting nucleic acid is used CC CD20 activity of the cell and cell in the presence of a division coll to reduce CC CD20 activity of the cell and cell to reduce the coll activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce the cell to reduce CC CD20 activity of the cell and cell to reduce CC CD20 activity of the cell and cell to reduce the cell to reduce CC CD20 activity of the cell and cell to reduce the cell to reduce cell to reduce the cel

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Query Match
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Watches 9; Conserva
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                                                                                                                                                                               888888888888888
                                                                                                                                                                                                         thrombotytopaenia, and inflammatory arthropkety. The Modor-targetting uncleic acid is used to cleave RNA of the NGGO gene in the presence of a divalent cation that is preferably Mg 7±. Authormore, the nucleic acid may be contacted with a cell to reduce NGGO activity of the cell and creat a prient having a condition associated with the level of NGGO. The treatment may further comprise the use of one or more therapise.

CC In particular, the NGGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CNA, CC stroke). Habiner's disease, dementia, multiple sclerosis (NS). C chemotherapy-induced neuropathy, amyotrophic lateral noterosis (NS). CC parkinson's disease, detaxia, Hamington's disease, creutzfeldt-jakob cities with the report of the modularion of NGGO expression. The cc parking of the disease and the modularion of NGGO expression. The cc present sequence is an amberzyme molecule of the invention.
                                                                                                                                                                            Sequence 17 BP; 7 A; 2 C; 3
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                                          873 TTATTCAGACTTGGCA 888
UUAUUCAGAAAUGGCA 17
                                                                                    Conservative
                                                                                                       0.6%;
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                                                                                                                                                                            G; S U; O other;
                                                                                                       Score 12.8;
Pred. No. 1.
                                                                                    Mismatches
                                                                                                       1.8e+02;
                                                                                                                              DB 1;
                                                                                                                        Length 17;
                                                                                 Indels
                                                                                    0,
                                                                                 Gaps
                                                                                 0,
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ABK03520

ABK03520 standard; RNA; 17 BP

ABK03520;

12-MAR-2002 (first entry)

Human CD20 Zinzyme #71

Humani, ss; antisense thezayy; cytostatic; antiinflammatory; haemostatic; cerebropotective; notroot manpyrotective; antipartisonian; increase in mecular; CO20; notries grach inhipotocytive; antipartisonian; letkaenia; DNAyme; increase; G-cleaver; antipartison; propriote; letkaenia; breali mumanodisciency virus; HV secociated MV; propriote; cell lymphoma; notrootatic service; antipartison; antipartison; deciral propriote; antipartison; deciral lymphoma; control nervice; propriote; antipartison; deciral propriote; cell lymphoma; miliamatory attriopative; central nervous green, involve; demandia; cerebrovalecular accident; CVA; Alzheimer e disease; maltiple sclerosis; handens demandia; control nervous green, maltiple sclerosis; handens demandia; control nervous green, maltiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease

Homo sapiens

WO200159103-A2 Synthetic

16-AUG-2001

09-FEB-2001; 2001WO-US04273

11-FEB-2000; 2000US-181797P 28-FEB-2000; 2000US-185516P 06-MAR-2000; 2000US-187128P

(RIBO-) RIBOZYME PHARM INC (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J. (CHOW/) CHOWRIRA B M.

McSwiggen J,

Chowrira

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WPI; 2001-607195/69

Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense

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ABK0352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The mutical colid most be enzymentic nucleic acids (e. g. a ribozyme or a baxyme) an incoyme (an endobyric nucleic acids (e. g. a ribozyme or a passessing an NcH motoria) and cleaver (cleaving Eam with a MNN triplet), a sinzyme (composessing an NcH motoria) and cleaver (cleaving Eam with a MNN triplet), a sinzyme (cleaving Eam with a motoria) are contacted with a cell to reduce (cleaving Eam with a cell to cleaving Eam with a cell to cleaving
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                          Human; ss; antisense therapy; cytostatic; antisflaematory; haemostatic; cerebroportective; notropic) auroprocective; antisflaematory; haemostatic; cerebroportective; notropic) auroprocective; antisflaematoria; muscular; CD20; neurite growth inhibitor gene; you hammerland ribozyme; DNAzyme; inozyme; G-claewe; abbergue; zinyme; WO; hammerland; auktenta; human immunodeficiency varis; HIV sacrocated HEII, immorprocective; Alberma; human immunodeficiency varis; HIV sacrocated HEII, immorprocective; MURCI; immunocytoma; IMC; i
                                 chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; Parkinson's disease; ataxia; Huntington's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    central nervous system (ONS) injury and cerebrowed accident (CNA, stroke), Alzabemary disease, dements unallipse solars accident (CNA, chemothersy induced neuropathy, amyotrophic labe selects (ALS), Parkinson's disease, attain, Huntington's disease, Cettain, Huntington's disease. Cettain disease, and/or other neurosegmerative disease disease, muscular dystrophy, and/or other neurosegmerative disease states which respond to the modification of MCGO expression. The states present sequence is a zinzyme molecule of the invention.
                Creutzfeldt-Jakob disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human CD20 Zinzyme #72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABK03521 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17
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8; Conserv
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           muscular
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Pred. No. 1.8e+02;
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dystrophy; neurodegenerative disease
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Sequence 17

5 G; 6 U; 0 other;

Local

800 AGCAGCIGITGITGIC 815 Similarity

Conservative BP; 3 A; 3 C; 0.6%;

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Score 12.8; DB 1; Pred. No. 1.8e+02; Mismatches

Length 17;

1.8e+02; 2;

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AGCAGCUUGUGUUGUC 16

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The invention relates to a nucleic acid molecule which down regulates expression of a CDDS and a nucleic acid molecule which down regulates expression of a CDDS and a nucleic acid molecule which down crepitates expression of a CDDS and a nucleic acid molecule which down crepitates expression and a nucleic growph inhibitor gene (MOSO).

CO DNARyme) an incorpus (an endolytic nucleic acid levels a thoolyne or a CDDR and a nucleic acid acid acid sevies a thoolyne or a consisting part and the processor of a divalent cation that is expression and the processor of a divalent cation that is expression and the processor of a divalent cation that is expressive the coll and treat a patient having a condition condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition of the coll and treat a patient having a condition associated MIL, mantle-coll lymphona (MLL), immunodeficiency virus) associated MIL, mantle-coll lymphona (MLL), immunodeficiency virus) associated MIL, mantle-coll lymphona (MLL), immunodeficiency virus) associated MIL, mantle-coll lymphona (MLL), coll in uncleic acid is used to cleave mild selection that is preferably Mg 7° -. Furthermore, the nucleic acid may be used to cleave mild selection that coll to reduce MOSO gene in the presence of a two molecular colls under the coll and condition associated with the level of MOSO. The creat a patient having a condition associated with the level of MOSO. The creat a patient having a condition associated with the level of NOSO. The creat a patient with the complete the use of one more theraphes.

Condition of disease, disease, disease, disease, chards having a coll condition of MOSO expression of the second of the 
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constructs which down regulate expression of a OD20 gene or neurito
growth inhibitor gene useful for treating, e.g., lymphoma, leukenia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (RIBO-)
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28-FEB-2000; 2000US-185516P
06-MAR-2000; 2000US-187128P
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BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MCSWIGGEN J.
CHOWRIRA B M.
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RESULT 141
ABN07620
                                                         of homes, procedured with the process of the control of the process of the control of the contro
                                                                                                                                                                                                                                                                                                                                                                 profesin 1 (hGDMLP-1). The protesin and polymoclectide sequences of formula-1 can be used in open therapy and vaccine production. The hGDMLP-1 mocleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 mocleic acids to samples, as amplification substraces, to provide initial substraces for the recombinant engineering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New polypeptide, for raising antibodies that recognize hDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human
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30-JAN-2001;
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27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID 7612; 214pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                myosin-like protein hGDMLP-1 -
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                                                  invention
The sequence data for this patent did not form part of the printed ification, but was obtained in electronic format directly from WIPO
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ABN07623
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specification,

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Query Match
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30-JAN-2001; 2001MO-US00665.
30-JAN-2001; 2001MO-US00667.
30-JAN-2001; 2001MO-US00667.
30-JAN-2001; 2001MO-US00669.
The present invention describes a human genome-derived myosin-like process in IndoMup-11. The process not bother, and be used in gene therapy and voccine production. The homely-1 nonless caride and use therapy and voccine production. The homely-1 nucleic acide can be used as probes to detect, obstracterise and quantity homely-1 nucleic acide in samples, as amplification substrates for provide initial substrates are not be recombinant engineering of homely-1 procein variants having desired phenotypic improvements, and for expressing the processes. The homely-1 processes may be used as immunogeous to rate antibodicate that specifically "roognise
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                                                                                                                                                                                                               Wew polypeptide, for raising antibodies that recognize homene-
proteins, or as specific biomolecule capture probes for
surface-enhanced laser desorption ionization, comprises human
myosin-like protein homen-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Buman; genome-derived myosin-like protein; 1; GDMLP-1; HGDMLP-1; heart; muscle, myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                                          Disclosure; SEQ ID 7615; 214pp; English
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2000GB-0024263.
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Pred. No. 1.8e+02;
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RESULT 143
ABN10063/c
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Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                         30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                           27-SEP-2000;
04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
New polypeptide, for raising antibodies that recognize hgDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human
                                                                                                                                               ou Y,
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                                                                                                WPI; 2002-179446/23
                                                                                                                                                                                                                                                              30-JAN-2001
30-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Humany genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; hear muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                              (AEOM-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-MAY-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention.
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                                                                                                                                                                                           AEOMICA INC
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Similarity 87.5%;
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200005-214579
200005-21559
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200105-1800661
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                                                                                                                                               Hanzel
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Pred. No. 1.8e+02;
                                                                                                                                            DK,
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                                                                                                                                         Chen
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RESULT 144
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Matches
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                                30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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21-SEP-2000;
27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; genome-derived myosin-like protein 1, GMMLP-1; hGMMLP-1; heart; musche; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal musche disorder; amplicon; screening; ms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10056.
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N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAY-2001; 2001WO-US16981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200192524-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              procein i (hobMuD-1). The profest and polynucleoride sequences of hobMuD-1 can be used in gene thorapy, and vaccine production. The hobMuD-1 nucleic exide can be used as probes to detect, thereceasise and quantify hobMuD-1 nucleic exide as probes to detect, therefore and quantify hobMuD-1 nucleic exide as semples as emplification and production of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID 10055; 214pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               myosin-like protein hGDMLP-1
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) 2000US 21687P

) 2000US 234687P

) 2000US 234687P

) 2000US 236359P

) 2000WS 200661

) 2001WS US00663

) 2001WS US00663

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Pred. No. 1.8e+02;
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RESULT 145
ABN10297
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Best Local
                                                                                                                                                                                                                                                                                                          Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; hear muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
25-MAY-2001; 2001WO-US16981
                                                                       06-DEC-200:
                                                                                                                                          WO200192524-A2
                                                                                                                                                                                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gu Y,
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30-JAN-2001; 2001WO-US00670
05-FEB-2001; 2001US-266860P
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                                                                                                                                                                                                                                                                                                                                                                                                                GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 TITCCAAGGICIGGAC 1
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Similarity 87.5%;
                                                                                                                                                                                                                                                                           muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12.8; DB 1;
Pred. No. 1.8e+02;
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29-MAY-2002 ABN10298;

(first entry)

ABN10298 RESULT 146

ABN10298 standard; DNA; 17 BP

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ACTITGAMACGGÁÁGÁ 17 ACTITICACCGGAAGA 690 Conservative

Matches Query Match Best Local

675 N

Local Similarity

0.6%;

Score 12.8; DB 1; Pred. No. 1.8e+02; Mismatches

Length 17; Indels

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1.8e+02

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21-SEP-2000;
27-SEP-2000;
Sequence 17 BP; 7 A; 3 C; 4 G; 3 T; 0 other;
                                                                N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptide, for raising antibodies that recognize hgDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser description ionization, comprises human myosin-like protein hgDMLP-1.
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                                                                                                                             invention.
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2000US-234687P
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2001US-266860P
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Human GDMLP-1 17-mer scanning SEQ

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                                                                                        Query Match
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27-SEP-2000 2000US-2145899
24-QUT-2000 2000US-2145899
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20-11N-2001 20011NO-US000661
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at ftp.wino in
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                                                  Local
                                                                                                                                                                                                                                           ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                 The sequence data for this patent did not form part of the printed ification, but was obtained in electronic format directly from WIPO
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                                      Score 12.8; DB 1;
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The invention relates to a nucleic acid molecule (1) which down regulates compression of an Eis-related gene (ERG). (1) is useful for treating expression of an Eis-related gene (ERG). (1) is useful for treating conditions selected from cancer. Imphona Ening serroms, melanoma, the conditions selected from cancer. Imphona Ening serroms, melanoma, the conditions selected from cancer. Imphona Ening serroms, melanoma, the condition and the conditions, for the cancer and the condition and the condition and the conditions such as for the spring port wine stains, Sturge while syndroms, Appl-1 Tenanumy where syndroms, port-wine stains, Sturge syndroms, lexicemia, octoporosis and wound healing. (1) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (1) under conditions suitable for the treatment. The method completes the use of one or more therspites under conditions suitable for the treatment. Leakaemia or tumour candidated with the conditions and the conditions with one or more of other therspites such as radiation or conjunction with one or more of other therspites such as radiation or conjunction with one or more of other therspites such as radiation or conjunction with one or more of other therspites such as radiation or conjunction with one or more of other therspites such as reducing ERG activity in a conjunction with one conjunction with the spread of the carrier of the presence of ERG Max in a cell. (1) is useful for patient in a cation such as Mg3+. (1) is useful for diagnosis of conditions and the carrier of the presence of ERG Max in a cell. (1) is useful for patient with the specifically carrier of the presence of ERG Max in a cell. (1) is useful for patient with carrier specifically carrier specifically carrier specifically carrier specific much as call collect acid molecules which regulate expression of ERG, and entrymatic nucleic acid molecules which regulate expression of ERG, and
                           RESULT 147
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GLAXO GROUP LTD.
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CC The invention relates to a nucleic acid molecule (1) which down regulates CC expression of an Res-related gene [REQD) (1) is useful for treating conditions selected from concer, lymphone, Dwing's surcoor treating CC cumour angiogenesis. Abbetic restriction, arthritis, postain, vermos CC neovascular glaucoma, myopic degeneration, arthritis, postain, vermos CC vulgaris, auglocithrons of tuberous scleropis, port-wine trains. Sturge CW weber syndrome, Napyal-Treanunay-Weber syndrome, Osler-Weber-rendu CC vulgaris, pulsamin, sceteoporosis and wound healing. (1) is useful for treating a patient having a condition associated with the level of EEG, CC by contacting cells of the patient with (1) under conditions suitable for the treatment. Landsamins or tumour angiogenesis is treated by administering (1) to the patient in conjunction with one or more of color thearings (1) to the patient of conjunction with one or more of color thearings and a relation or angiogenesis is treated by administering (1) to the patient in conjunction with one or more of color thearings and a relation or angiogenesis is treated by definished the color than a seculi for colarving REG activity in a cell, by contacting the cell with (1). (1) is useful for cleaving REG activity in a cell, by contacting the cell with (1). (1) is useful for cleaving REG activity in a cell, by contacting the cell with (1). (1) is useful for colarving REG activity in a cell, by contacting the cell with (1). (1) is useful for cleaving REG activity in a cell, by contacting the cell with (1). (1) is useful for cleaving REG activity in a cell, by contacting the cell with (1). (1) is useful for cleaving REG activity in a cell, by contacting the cell with (1). (1) is useful for colarving REG activity in a cell, by contacting the cell with (1).
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                                                                                                                                                                                                                                                                                                                                               Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular
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                                                                                                                                                                                                                                                                                                                                      degeneration,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amberzyme.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   angiofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABK17659;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABK17659 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          related PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       899 CCAPACTITACARTIC 914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ERG hammerhead ribozyme target sequence, Seq ID No 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GLAXO GROUP LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                 Page 64; 149pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCAAAGUUUCCAACUC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                    Von Carlowitz I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP; 5 A; 7 C; 1 G; 4 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                 arthritis, psoriasis, verruca vulgaris and Sturge Weber
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₽₽
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                                                                                                                                                                                                                                                                                                                                                                                                                                    McSwiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 12.8; DB 1;
Pred. No. 1.8e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Mclaughlin F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                    Randi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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RESULT 149
ABT39783/c
                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             ERG gene, by contacting (1) with RNA, in the presence of a divalent cation such as MgA+. (I) is useful for disenses of conditions and diseases related to the expression of ERG, and as disengestic tool to examine genetic drift and mutations within diseases coalis or to detect the presence of ERG RNA in a call. (I) is useful for specifically categorize that share homology with ERG gene or ERG fusion genes. ARC 17394-ARC 2719 represent models categorized, including antisense and engments nucleic acid molecules which regulate expression of ERG, and related PCR princers of the invention.
ABT39783 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 5 A; 7 C; 1 G; 4 U; 0 other;
                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                  899 CCAAAGTTTACAATTC 914
                                                                                                                                               CCAAAGUUUCCAACUC 16
                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                      62.5%;
                                                                                                                                                                                                                                                             4;
                                                                                                                                                                                                                                                                                          Score 12.8; DB 1;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                        Gaps
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ABT39783;

12-JUN-2003

Tumour suppression related human fukutin oligo SEQ (first entry

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.

ij Ñ

Homo sapiens

WO2003025175-A2

27-MAR-2003

17-SEP-2002; 2002WO-IB04208

17-SEP-2001; 2001FR-0011978.

(MOLE-) MOLECULAR ENGINES LAB

Telerman A, Amson R, Tuijnder M;

WPI; 2003-313353/30.

New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells

Disclosure; Page 667; 720pp; French.

given in the specification, a sequence containing at least 15 consecutive mucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 0 st dentity to the 17 mer sequence, a sequence with, after consecutive mucleotides from the 17 mer sequence, a sequence with, after sequence, a sequence with sequence optimal alignment, at least 0 st dentity to the 17 mer sequence, as sequence with sequence, or the complement of any of them, or the corresponding RNA. The novel considered mucleot acids of the invention are useful as probes and primers or detecting, identifying, quantifying and/or amplifying annotate acid, considered and for production of recombinant polypeptides. Any of the mucleic acids conjugation, vectors containing the mucleic acids, collipseptides, are useful for preparation of pharmaceuticals for prevention and/or treatment of viral conference preparation, specifically cancer but also Allheimer's disease and The invention relates to a novel isolated 17 mer nucleic acid sequence,

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                                                           acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HRR2, K.Ras, H.Ras, N.Ras, N. human immundedictiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-Theunatic activity. The nucleic acid molecules are useful for reducing HRR2, K.Ras, H.Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorestal, hung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ565989 - ABZ66591, RES6591, according to the sequences shown in ABZ56590 - ABZ66590 - ABZ6659
                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel short interfering RNA (siRNA) nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel short interfering RNA and enzymatic nucleic acid useful for
treating cancer, modulates the expression of a nucleic acid ancoding
HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2001;
06-JUN-2001;
                                               sequences for the human ribozymes of the invention
                                                                                                                                                                                                                                                                                                                                                                                                           Claim 58; Page 104; 185pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-140484/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-SEP-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human, ribozyme, short interfering RNA, siRNA, HER2; K.Ras; enzymatic mucheic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           schizophrenia. Analysis of the expression of the 17 mer muclaic acids in pations cample is useful for disgnosts and/or prognosis of these diseases. The polypoptides can also be useful of generate antibodies, and both the polypoptide and antibodies are useful a components of protein their muclaic acid sequences of the invention can be used in gene therepy. This polymocleotide sequence represents a tumour suppression related human fubtition dishultin oil-gounceleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2002; 2002WO-US16840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-DEC-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           967 CAGCTGTTGTGGAGAT 982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   K-Ras DNAzyme substrate #1022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 CAGCICTIGITGAGAT 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; 2001US-294140P;
; 2001US-296249P;
; 2001US-318471P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.6%;
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Pred. No. 1.
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2;
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Query Match

Score 12.8; DB 1;

Length 17

AAT11728 ID AAT

AAT11728 standard; DNA; 18 BP

밁 RESULT 152

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1007 GATGAACAGTGTGTGG 1022

GCUGACCAGUGUGUGG 16

Matches Query Match

10;

Conservative

4.

Mismatches

0

Gaps

0;

Local

0.6%; Similarity 62.5%;

Score 12.8; DB 1; Pred. No. 1.8e+02;

Length 17; Indels

Sequence 17 BP; 2 A; 4 C; 7 G; 4 U; 0 other;

7 U; 0 other;

Sequence 17 BP; 6 A; 1 C; 3 G;

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RESULT 151
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                   The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymetic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding IBR2, Kras, Hras, Nras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cyclostatic, anti-HIV, and for reducing HER2, Kras, Hras, Hras, nucleic acid molecules are useful for restricting HER2, Kras, Hras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, volument, colorectal, lung, prostate, bladder, or parcreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59899 - ABZ6520- ABZ66520, ABZ66530, ABZ66595 represent substrate/target sequences for the human ribozymes of the invention.
                                                                                                                                                                                                                                                                          Movel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HBR2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2001; 2001US-294140P
06-JUN-2001; 2001US-296249P
10-SEF-2001; 2001US-318471P
                                                                                                                                                                                                                                               Claim 4; Page 141; 185pp; English.
                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-140484/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, riboxyme, short interfering RNA, siRNA, HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV, anti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                     Mcswiggen J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-2002; 2002WO-US16840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               W0200297114-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                       (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human HER2 DNAzyme substrate #452.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABZ64995 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    763 TCAAGAAGTCATAACT 778
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AAZZZ353/c
ID AAZZZ3
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                                                       RESULT 153
                                                                                                                                                                                                                                                                                        Continue requences given in ANTI1709-29 are primers which were used in CC single- extended conformational, polymorphism analysis (SSC)) of the CP polycystic kidney disease (PKDI) gene. Matericans in the pRD1 see are associated with autocomal dominant polyvystic kidney disease (PKDI) gene are responsible for approx. 90 kers of complex in the pRD1 gene is complex and extensive. It covers approx. 90 kb and contains a total of 46 exons. It has been collected on the pRD1 gene is separate to within a 750 kb chromosoma is short arm of chromosome is. Approximately the first two thirds of the pRD1 gene is given by the first two thirds of the pRD1 gene is given as a complex of the exons gene in the genome. The pRD1 gene also contains extensive repeated regions of high CC content. A number of the exon have alternatively pliced forms giving rites to a number of cold closes. The pRD1 protein contains at the pRD1 protein and/or process may be an extensive repeated regions are giving rites to a number of cold closes. The pRD1 protein contains at the pRD1 protein and/or process contains which are likely to be involved in the protein and/or process contains at the pRD1 and a process of the pRD1 gene and the deception of the pRD1 gene and a process of the pRD1 gene and the deception of the pRD1 gene gene may be used in "minit gene through the bRD1 contains at the process of the pRD1 gene gene may be used in "minit gene through the department of the PRD1 contains and process of the pRD1 to correct PM field.)
                                                                                                                                                                                          Matches
                   AAZ22353 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA encoding poly-cystic kidney disease gene product - for use in gene therapy of ADPKD, and in the evaluation of treatment for PKD
                                                                                                                                                                                                                                                               Sequence 18 BP; 3 A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1996-049618/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (BGHM ) BRIGHAM & WOMENS HOSPITAL (MILL-) MILLENIUM PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W09534573-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mini gene therapy; single strand conformational polymorphism analysis; SSCP; primer; amplify; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exon; short arm; chromosome 16; repeated region; alternative splicing, extracellular matrix proteins; antibody; detection; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polycystic kidney disease 1 gene antisense primer, NKG9-R07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-MAR-2003
18-JUL-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAT11728;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Polycystic kidney disease; PKD1; autosomal dominant; ADPKD; mutation;
                                                                                                                                        801 GCAGCTGTTGTTGTCC 816
                                                                                                                                                                                          14;
                                                                                                                                                                                                           Similarity
                                                                                                               GCAGCTGTCGATGTCC 16
                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (updated)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Reeders S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95US-0413580.
94US-0253524.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95WO-US07079
                                                                                                                                                                                                        0.6%;
                                                                                                                                                                                                                                                               5 C; 6 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Schneider M;
                                                                                                                                                                                       0,
                                                                                                                                                                                    Pred. No. 2e+
D; Mismatches
                                                                                                                                                                                                                           Score 12.8;
                                                                                                                                                                                                     8; DB 1;
2e+02;
                                                                                                                                                                                    2
                                                                                                                                                                                                                      Length 18;
                                                                                                                                                                                    Indels
                                                                                                                                                                                  0
                                                                                                                                                                                  Gaps
                                                                                                                                                                               0
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RESULT 154
AAZ77396
                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                           AA22345-84 represent phosphorothists antisense oligomucleotide which are directed against ENN (factor associated with he-Nakes activation) mRNA, ENN is a mediator of tumor necrosis factor (NNP) induced activation of #808se. The antisense oligomucleotides are 8-30 mucleotides in length. The antisense oligomucleotides are useful mucleotides in length. The antisense oligomucleotides are useful
AAZ77396;
                                             AAZ77396 standard;
                                                                                                                                                                                                                                                                                                                                                            Sequence 18 BP; 4 A; 8 C; 1 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                      for treating diseases associated with an inflammatory response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 3; Columns 27; 27pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibition of the human FAN gene, useful for treating diseases associated with an inflammatory response -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-571295/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Baker BF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-0CT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US5962671-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; FAN; factor associated with N-SMase activation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Phosphorothicate antisense oligonuclectide directed against FAN mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ22353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              inflammatory response; phosphorothicate; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumor necrosis factor; antisense oligonucleotide; disease
                                                                                                                                                                                                               966 GCAGCTGTTGTGGAGA 981
                                                                                                                                                                     17 GAAGATGTTGTGGAGA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cowsert LM;
                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0156425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9805-0156425
                                             DNA; 18
                                                                                                                                                                                                                                                                                      0.6%;
                                             ВÞ
                                                                                                                                                                                                                                                             0,
                                                                                                                                                                                                                                                                                  Score 12.8; DB 1;
Pred. No. 2e+02;
                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                           Length 18;
                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                          Gaps
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## 10-SEP-2001 (first entry)

밁 S

0,

Human biallelic marker downstream amplification primer SEQ ID NO:11752

genomic map; haplotype; phemotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer; amplification; single nucleotide polymorphism; SNP; PCR primer; Human genome; biallelic marker; high density disequilibrium map;

Homo sapiens diagnosis; es

WO9954500-A2

21-APR-1999; 99WO-IB00822

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RESULT 155
AAC64937
                                                                                                                                                                                                                                                                                                                                                                                                                                                        XEEXEXEXEXEFEXENDODDDDDDDDDDXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AMS6564 to AMS6578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AMZ65979 to AMZ7440 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haphotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and disposition set posses to and side effects from pharmaceutical agents acting on a disease as well as other conservations.
                                   Cohen M, Colpitts TL, 1
Billing-Medel PA, Klass
      WPI; 2000-655655/63
                                                                                                                  01-MAY-1998;
                                                                                                                                                                                                                                   Human prostate-related PS108 gene sequencing primer SEQ ID NO:
                                                                                                                                                                                                                                                               07-FEB-2001
                           Kratochvil JD,
                                                                                           02-MAY-1997;
                                                                                                                                       10-OCT-2000
                                                                                                                                                             US6130043-A
                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 6 A; 1 C; 7 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and 3367, are not accually given a sequence in the Sequence Listing
                                                                      (ABBO ) ABBOTT LAB
                                                                                                                                                                                                         PCR primer; ss.
                                                                                                                                                                                                               Human; prostate cancer; PS108; antibody; tumour; metastasis
                                                                                                                                                                                                                                                                                                         AAC64937 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         map of the human genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-013267/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cohen D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-APR-1998;
23-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GEST )
                                                                                                                                                                                                                                                                                                                                                                                                                     тосят
                                                                                                                                                                                                                                                                                                                                                                                    687 AAGATACTGATTGCTG 702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9; Page 2736; 2745pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                 AAGATACTGATAGGTG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                        pitts TL, Friedman PN,
PA, Klass MR, Roberts
, Russell JC, Hodges S
                                                                                                                                                                                                                                                             (first
                                                                                           97US-0850713
                                                                                                                9805-0071710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           98US-0082614
98US-0109732
                                                                                                                                                                                                                                                                                                        DNA; 18
                                                                                                                                                                                                                                                             entry
                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chumakov I;
                                                                                                                                                                                                                                                                                                         ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                           9
                          Hodges SC;
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 12.8;
                                                                                                                                                                                                                                                                                                                                                                                                                     Pred
                                man PN, Gordon J,
Roberts-Rapp L,
                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     No.
                                                                                                                                                                                                                                                                                                                                                                                                                     2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                          2
                                Stroupe SD, Yu
                                                                                                                                                                                                                                                                                                                                                                                                                             Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                  Ξ
                                                                                                                                                                                                                                    25
                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                        0
RESULT 156
AAA58717
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     XFEFXXX8888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                           24-DEC-1998;
                                                                                                                                                                                                 Conaty JF,
                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA58717
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                 protein sequences for the human prostate tissue protein PS108. These sequences can be used in the diagnosis and prognosis of prostate diseases, particularly prostate cancer. They can also be used to produce antibodies which can be used in treatment. The present sequence is a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Methods for detecting target prostate-specific polymuclecties or diseases of the prostate (e.g. prostate cancer), comprising detecting the presence of any of PS108 nucleic acid sequences in a test sample
                                                                                                                                                                   Sequence 18 BP; 4 A; 5 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                The present invention is related to a number of partial coding
                                                                                                                                                                                                                         PCR primer used in the isolation of the PS108 partial coding sequences
                                                                                                                                                                                                                                                                                                                                                                                                                     Example 2; Column 81-82; 55pp; English.
1034 TCCAAGCACTGGACTG 1049
                                                             14;
                                                             Conservative
                                                                                 87.5%;
                                                         0
                                                                                 Score 12.8; DB 1;
Pred. No. 2e+02;
                                                         Mismatches
                                                     2;
                                                                                                          Length 18
                                                         Indels
                                                     0;
                                                                                                                                                                                                                                                                                                                                       These
                                                 Gaps
                                                     0,
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## TCCATGCACTGGAATG 18

Nucleotide sequence of the N18 domain of a miniribozyme AAA58717 standard; RNA; 18 20-0CT-2000 (first entry) ВP

Miniribozyme; viral disease; herpes simplex virus; AIDS; inflammatory disease; arthritis; circulatory disease; atherosclerosis; restences; postnass; servical preseplacia; papilloma disease; bacterial infection; prokaryotic infection, neoplastic condition; chronic myeloid leukemia; neit-viral; anti-fungal; anti-scerial; anti-pratasitic; anti-protozoan; anthelminthic; herbicide; pesticide; ss

24-DEC-1999; 06-JUL-2000 WO200039146-A1 99WO-AU01162

COMMONWEALTH SCI & IND RES Hendry P, Lockett TJ

98AU-0007951

WPI; 2000-465731/40

Minishozyme compounds useful for cleaving a target mRNA in a host cell, e.g. for treating AlDS, arthritis, atheroscierosis, restenosis, bacterial and prokaryotic infection

Example; Fig 4; 81pp; English

mulitobogymes, or oligomucleotide transfer vectors containing a nucleotide sequence encoding the minitobogyme are useful for cleaving a target mRNA in a host cell. They are especially used for treating viral diseases caused by herpes simplex virue or VIRIS and obtaining with the sequence of the property of the sequence of the sequen papilloma disease, conditions associat such as atherosclerosis and restenosis, psoriasis, cervical preneplasia, papilloma disease, bacterial and prokaryotic infection, neoplastic The specification describes miniribozyme compounds. The associated with production of aberrant RNAs such as

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RESULT 157
ANZS7739
ID ANZS7739
XX
ANZS7739
XX
ANZS7739
XX
O-ABP
XX
Human
XX
G-alph
XX
Human
XX
G-alph
XX
Human
XX
G-alph
XX
Human
XX
Huma
                                                                                                                                                                                                                                   This is a human G-libh-12 antisense nucleotide sequence. G-libha-12 is canomere for the G1/10 abbfamily of Proteins. The primary function of G-sipha-12 is in cell differentiation and growth. The invention relates of G-sipha-12 is in cell differentiation and growth. The invention relates of the primary function of G-sipha-12 and sibte in the invention relates of the sequence of the human of G-sipha-12. The molecules prefeably have a mittle spreasion of the human of G-sipha-12 and at least one modified supar nexty fred invention of the human G-sipha-12 RM. The repression of human of the human G-sipha-12 RM. The repression of human of the human G-sipha-12 RM. The repression of human of the human G-sipha-12 RM. The repression of human of the human G-sipha-12 RM. The repression of human of the human of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
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               Query Match
Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antisense inhibition of human G-alpha-12 expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G-alpha-12 inhibitor; antisense compound; cell differentiation; cancer; cell growth; metastatic growth; ss; ISIS# 20728.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; Column 39; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-095920/08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cowsert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US5998206-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human G-alpha-12 antisense inhibitor ISIS# 20728.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-APR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ57739;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAZ57739 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 8 A; 5 C; 4 G; 1 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chronic myoloid lewiemia. The miniribozymes may be combined with pharmaceutically or veterinarally acceptable carrières or may be supplemented in a composition with one or more mini-wiral, anti-fungal, anti-bacterial, anti-parasitic, anti-protosoan or anthelminthic agents, herbicides or pericides. AmA56861-88761 represent sequences of the N18 domain of miniribozymes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            779
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SISI
                                                                                                                                                         18 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CUGAAGAGACCACGAA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGGAGAGACCACTAA 794
               Conservative
                                                                                                                                                                                                                              metastatic growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                               4 A; 6 C; 5 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9908-0256496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9908-0256496
                                          0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85
               0;
     Score 12.8; DB 1;
Pred. No. 2e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 12.8;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ze+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ۲,
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                                                                    Length 18;
     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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AAS07164
ID AAS
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                                                                                                              S
                                               RESULT 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 158
AAZ35867/c
ID AAZ358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       묽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ś
                                                                                                                                           Matches
                                                                                                                                                                 Query Match
AAS07164
                                                                                                                                                                                                                       The present invention describes an antisone compound (1) 8-10 unuloctides long targeted to a nucleic acid molecule encoding human seartin. The antisense compound comprises a phosphorethode entisone oligonucleotide which inhibite expression of presenting the vitiasues useful for inhibiting expression of seattin in human condition vitiasues in vitro, for treating humans or other animal suspected of having or being prome to a disease associated with sentria spression (1) can sequence represents a human sentrin phosphorothicate antisense
                    AAS07164 standard; DNA; 18 BP
                                                                                                                                                                                      Sequence 18 BP; 4 A; 6 C; 4 G; 4 T; 0 other;
                                                                                                                                                                                                               oligonucleotide from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                            Example 15; Column 38; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                              Antisense compound which modulates human sentrin expression, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-022284/02
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Baker BF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US5985664-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; sentrin; antisense oligonucleotide; phosphorothioate; inhibition; modulation; expression; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human sentrin phosphorothioate antisense oligonucleotide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        03-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ35867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ35867 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HOMO sapiens
                                                                                                                                                    Local Similarity
                                                                                                            680 GCAGCGGAAGATACTG 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1032 TTTCCAAGCACTGGAC 1047
                                                                                                                                         14;
                                                                                     GTAGCGGAAGTTACTG 2
                                                                                                                                                                                                                                                                                                                                                                                     diseases associated with sentrin expression -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGTCGAAGCACTGGAC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cowsert LM;
                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0213768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9808-0213768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "phosphorothicate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВÞ
                                                                                                                                       0,
                                                                                                                                                  Pred. No. 2e+02;
                                                                                                                                       Mismatches
                                                                                                                                     2;
                                                                                                                                                              Length 18;
                                                                                                                                     Indels
                                                                                                                                     0:
                                                                                                                                   Gaps
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RESULT 160
AAF26684
ID AAF266
                                                                                                                                                                                                                                                                                                                                                                                       prostate greate Pilds specific expressed sequence tag (EST) CINA clones. The ESTs were used along with other overlapping clowa clones to produce a till length contensus sequence see ASDIJES. This sequence could then the used to produce see ASDIJES. This sequence could then the used to produce tissue, and as immunogens to produce the tild to greate to prostate tissue, and as immunogens to produce attribodies. The polypeptides which are useful in deseases of the polypeptide and for screening compounds which expectifically bind to the polypeptide and for screening compounds which expectingly bind to the polypeptide and for screening for drugs, compounds, or any other agent which can be used to treat diseases. C associated with PSIOS might have been the continuous as delivery agents for therapeutic agents as well a service of the produce of the polypeptide and for the produce of the polypeptide and for the polypeptide and for the polypeptide and service agents as well associated with PSIOS, especially cancer. The antibody is also useful for generating chimeric antibodies for therapeutic use, for inhibiting the continuous and the presence of any polypeptide and test sample which shares one or more antigenic determinants with the PSIOS polypeptide.
                                                                                                                                                                                                                                                                                       Matches
  Human Smad7 phosphorothicate antisense oligonucleotide SEQ ID NO:27
                                                 02-APR-2001
                                                                                                                     AAF26684 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 BP; 4 A; 5 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The sequence represents sequencing primer #7 used in sequencing of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 2; Column 81; 55pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel PS108 polypeptide useful in assays for detecting antibodies to prostate tissue, and as immunogens to produce PS108 antibodies -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-424488/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Billing-Medel PA, Cohen M, Colpitts TL, Friedman
Granados EN, Hodges SC, Klass MR, Kratochvil JD,
Russell JC, Stroupe SD, Yu H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prostate; PS108; immunogen; drug screening; image localisation; ss; diagnostic; therapeutic; prostate tissue disease; cancer; metastasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAR-2000; 2000US-0525397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequencing primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prostate-specific gene PS108 sequencing primer #7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ABBO ) ABBOTT LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-OCT-2001
                                                                                                                                                                                                                                                    1034 TCCAAGCACTGGACTG 1049
                                                                                                                                                                                                                                                                                             14;
                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                TCCATGCACTGGAATG 18
                                                                                                                                                                                                                                                                                          Conservative
                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98US-0071710.
97US-0850713.
                                                                                                                                                                                                                                                                                                          0.6%;
                                                                                                                     먪
                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                          Pred. No. 2e+02;
                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Friedman PN,
                                                                                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                        Length 18;
                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roberts-Rapp L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gordon J;
                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                  0;
X 2 X 8 X 2 X 8
                                                                                                                                                                                                                                                                                                                                         В.
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Autisense compound capable of inhibiting the expression of human Smad7, useful for preventing or delaying infection, inflammation or tumor formation
                                                                                                       WPI; 2001-070108/08
                                                                                                                                                        Monia BP,
                                                                                                                                                                                                                                                        09-JAN-2000; 2000US-0487444
                                                                                                                                                                                                                                                                                                         09-JAN-2000; 2000US-0487444
                                                                                                                                                                                                                                                                                                                                                               12-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                    US6159697-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; Smad7; antisense oligonucleotide; phosphorothioate; inhibition;
antiinflammatory; cytostatic; infection; inflammation; tumour formation;
                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC
                                                                                                                                                    Cowsert LM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "phosphorothicate linkages"
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The present invention describes an antisense compound (1) of up to 31 mulabobases in length capable of ainthisting the expression of human Smad7. (1) has antisting name to year the expression of human Smad7 expression. (1) can be useful for inhibition the september of human Smad7 in human cells or tissues in vitro. (1) is september to compare the commonly used as a research respect and in disgnostics for example to controlled the function of particular geners. (1) is also useful for distinguishing research use. (1) is also useful for disposition particular the prevent of the prevent o prevent or delay infection, inflammation or tumour formation. Ansaeve to ANF26706 represent human Smad? antisense oligonucleotides from the

Claim 1; Column 41; 33pp; English

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Sequence 18 BP; 5 A; 6 C; 3 G; 4 T; 0 other;
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RESULT 161
                                                                                                                                                      Matches
                                                                                                                                                                  Query Match
Best Local !
 06-APR-2001
                         AAF64104;
                                            AAF64104 standard; DNA; 18 BP
                                                                                                                            851 CCTGGTGTACCAATAG 866
                                                                                                          N
                                                                                                                                                               0.6%;
Similarity 87.5%;
                                                                                                        CCTTGTGTACCAACAG 17
                                                                                                                                                      Conservative
(first entry)
                                                                                                                                                    0;
                                                                                                                                                               Score 12.8; DB 1;
Pred. No. 2e+02;
                                                                                                                                                    Mismatches
                                                                                                                                                                         Length
                                                                                                                                                    Indels
                                                                                                                                                   0,
                                                                                                                                                   Gaps
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SXRXRX

WO200102606-A2 Homo sapiens Human; lipoprotein lipase; LPL; stenosis; ss

В S

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RESULT 162
AAF64115
ID AAF641
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
            Genetic resting for determining non-responsiveness to statin drig in patients of a coronary actively disease, involves analyzing amplification products for homozygosity for a variant allels in the human lipoprotein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to detecting a genetic predisposition in a human subject for non-responsiveness to attinding treatment, involving applifying nucleic acids including but and coding or untranslated region within the 3' and of the human lippoprotein lipase (IPI) gene from a tissue sample. The method is useful for determining which patients suffering from coronary artery disease, or which coronary artery bypactering will count a respond positively to statin drug creatment with respect to stating and the stating from the respond positively to statin drug creatment with respect to stating from the stati
                                                                                                                                                                                                                                                                                      Taylor KD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-JUL-1999;
                                                                                                                                                                                                 WPI; 2001-138155/14.
                                                                                                                                                                                                                                                                                                                                                              (CEDA-) CEDARS SINAI MEDICAL CENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JUN-2000; 2000WO-US18308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200102606-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; lipoprotein lipase; LPL; stenosis; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Primer #59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF64115 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            densetic testing for determining non-responsiveness to statin drug in patients of a coronary artery disease, involves analyzing amplification products for homozygosity for a variant allele in the human lipoprotein
inpase gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAF64115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 BP; 4 A; 8 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Page 18; 74pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lipase gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CEDA-) CEDARS SINAI MEDICAL CENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-JUL-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   887 CACCCATGTCTACCAA 902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2001-138155/14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 CACCCATGTGTACCCA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ğ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                          Scheuner M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scheuner M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first
                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0347114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-0347114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     entry
                                                                                                                                                                                                                                                                          Rotter J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rotter J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 12.8;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                          Yang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .8; DB 1;
                                                                                                                                                                                                                                                                          Ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ×
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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밁 8

Movel PS108 polymuclaotides derived from the PS108 gene, useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing or treating diseases and conditions of prostate e.g., prostate cancer.

WPI; 2002-665428/71.

Example 2; Page 44; 59pp; English

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RESULT 163
AAL49523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.6%;
Best Local Similarity 87.5%;
                                                                                        Billingel PA,
Granados EN,
Russell JC, :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in a human subject for non-responsiveness to statin drug treatment, involving amplifying morleic acids including a non-coding or untranslated region within the 3' end of the human lipoprotein lipase (titl) gene from a tissue sample. The method is useful for determining which patients suffering from coronary attery disease, or which coronary artery bypass graft (OABG) patients, will likely not respond positively to statin drug treatment with respect to stenosis of a coronary artery bypass graft.
                                                                                                                                                                                                 (GRAN/)
(HODG/)
                                                                                                                                                                                                                     (FRIE/)
                                                                                                                                                                           (KRAT/)
                                                                                                                                                                                                                                                                                   01-MAY-1998;
02-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                            Human; PS108; prostate cancer; prostate specific sequence;
                                                                                                                                                                                                                                                                                                                                                                                                                                Human PS108 coding sequence PCR primer SEQ ID NO:
                                                                                                                                                                                                                                                                                                                  25-APR-2001; 2001US-0841894
                                                                                                                                                                                                                                                                                                                                        04-JUL-2002
                                                                                                                                                                                                                                                                                                                                                            US2002086301-A1
                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; gene therapy; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAL49523;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAL49523 standard; DNA; 18
                                                                                                                                   (/HHDA)
                                                                                                                                                                  (ROBE/)
                                                                                                                                                                                        (KLAS/)
                                                                                                                                                                                                                                           (COLP/)
                                                                                                                                                                                                                                                    (COHE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18 BP; 5 A; 7 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to detecting a genetic predisposition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 11; Page 18; 74pp; English
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                                                                                                                                KLASS M R.

KRATOCHVIL J D.

ROBERTS-RAPP L A

RUSSELL J C.

STROUPE S D.

YU H.
                                                                                                                                                                                            GRANADOS E N.
HODGES S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CACCCATGTGTACCCA 16
                                                                                                                                                                                                                              PRIEDMAN P N.
                                                                                                                                                                                                                                                    COHEN M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                        Stroupe
                                                                                        Cohen M,
Hodges SC,
Stroupe SD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                   98US-0071710.
97US-0850713.
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                                                                                      Colpitts TL,
Klass MR, K
Yu H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP
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Pred. No. 2e+02;
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                                                                                                 Kratochvil
                                                                                                          Friedman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                 S P
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                                                                                                                                                                                                                                                                                                                                                                                                                                   25
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                                                                                              Gordon J;
Roberts-Rapp LA;
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                                                                                  RESULT 164
ABQ65415
ID ABQ65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 14;
                                                                                                   The present invention relates to a method of toxicological diagnosis, involving taxing a DNA-containing sample from an organism or cell culture that has been treated with a test compound and determining any changes in the DNA methylation status or pattern caused by said test compound. The method is used for diagnosis and prognosis of adverse toxic responses in individuals. The present sequence is a human sequence used to demonstrate the method of the invention.
                                                                                                                                                                                                                  Toxicological diagnosis, useful for diagnosis and prognosis of adverse reactions, based on effect of test compounds on methylation status of selected genes, involves determining changes in DNA methylation status of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to polymucleotide sequences derived from the human PSIOS gene and capable of selectively hybridising to the ESIOS gene. The sequences can be used to detect the presence of a target DSIOS polymucleotide in a test sample, and to detect, monitor, prevent or treat diseases and conditions of the proteste, such as prostate, reacher. The present sequence is a PCR primer described in the exemplification of the
                                                                               Sequence 18 BP; 2 A; 1 C; 7 G; 8 T; 0 other;
                                                                                                                                                                                      Disclosure; Page 111; 113pp; German.
                                                                                                                                                                                                                                                               WPI; 2002-463571/49
                                                                                                                                                                                                                                                                                                           (EPIG-)
                                                                                                                                                                                                                                                                                                                             14-NOV-2000; 2000DE-1056802
                                                                                                                                                                                                                                                                                                                                                  08-NOV-2001; 2001WO-EP12951
                                                                                                                                                                                                                                                                                                                                                                                             WO200240710-A2
                                                                                                                                                                                                                                                                                                                                                                                                                 Нопо
                                                                                                                                                                                                                                                                                                                                                                                                                                    toxic response;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Toxicological diagnosis; DNA methylation; methylation status;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human gene methylation status determination oligo SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABQ65415 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18 BP; 4 A; 5 C; 5 G; 4 T; 0 other;
                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1034 TCCAAGCACTGGACTG 1049
                    871
                                                                                                                                                                                                                                                                                                                                                                                                                 sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       h 0.6%;
Similarity 87.5%;
                                                                                                                                                                                                                                                                                                         EPIGENOMICS AG
                  TGTTATTCAGACTTGG 886
                                                                                                                                                                                                                                                                                   Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCCATGCACTGGAATG 18
                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                    human;
                                                87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                    နှင့်
                                                                                                                                                                                                                                                                                   Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                 Pred.
                                                           Score 12.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 12.8;
Pred. No. 2
                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                             No.
                                             8; DB 1;
2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8; DB 1
2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ۲.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                         Length 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 18;
                                     Indels
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                                     0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
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                                     Gaps
                                   0
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                                                      XFX
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RESULT 165
ABZ10447
ID ABZ104
                                                                                                                                                                                                                                  ce subject: The matched country is the same of the property of
                  Matches
                                                       Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detecting and differentiating between hematopoietic call proliferative disorders, comprises contacting a target nucleic acid with a reagent that distinguishes between methylated and non-methylated Ops
                                                                                                                                                              Sequence 18 BP; 2 A; 1 C; 7 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 15; SEQ ID 587; 117pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01ek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABZ10447 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes a method for detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-018942/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Berlin K, Braun A, Distler J,
Olek A, Piepenbrock C, Adorja
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-MAR-2001; 2001US-278333P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-MAR-2002; 2002WO-EP03401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200277272-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gene therapy; lymphocytic leukaemia; acute myelogenous leukaemia; cyrosine methylation state; probe; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; haematopoietic cell proliferation disorder; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Haematopoietic cell proliferation disorder related oligonucleotide #587.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (EPIG-) EPIGENOMICS AG
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                                                Similarity
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Schwope I,
            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                          0.6%;
87.5%;
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Maier S, Model F,
Ziebarth H;
      0,
                                          Pred. No. 2e+02;
      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Guetig D,
n P, Grabs (
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Mueller V, Otto
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                                                                                     Length 18;
Indels
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he R, Leu E;
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Gaps
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871 TGTTATTCAGACTTGG 886

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TGTTATTCGGAGTTGG 17

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continuous de la profitcial y claimed municipatica espeniones from the present represent procession. Oligonucleorides from the present invention can be used: for discrementaring between healthy hasmatopolitic cells and proliferative continuous descriptions of the sense of the s
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ABZ10939/c
ID ABZ109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               differentiating between haematopoiseic ceil proliferative disorders associated with at least 1 gene and/or their regulatory regions in a subject. The method comprises contacting a target mucleic acid in a biological sample obtained from the subject with the sample obtained from the subject with 1 least 1 reaching the control of subject with distinguishes between methylated and non-methylated Organical discounties within the target mucleic acid, ABZ09061 to ABZ11118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Detecting and differentiating between hematopoietic cell proliferative disorders, comprises contacting a farget muleic acid with a reagent that distinguishes between methylated and non-methylated CpG
                                                                                                              Sequence 18 BP; 8 A; 4 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Berlin K, Braun A, Distler J, Guetig D, olek A, Piepenbrock C, Adorjan P, Grabs Lewin A, Lipscher E, Maier S, Model F, Pelet C, Schwope I, Ziebarth H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 15; Page 71; 117pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a method for detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (EPIG-) EPIGENOMICS AG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Haematopoietic cell proliferation disorder related oligonucleotide #1079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-JAN-2003
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        y Match 0.6%;
Local Similarity 87.5%;
hes 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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    0; Mismatches
                            Score 12.8;
Pred. No. 2
                        2e+02;
                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mueller V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Howe A,
2;
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                                                Length 18;
Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mueller J;
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0; Gaps 0

Score 12.8;

DB 1;

Length 18;

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RESULT 167
ABZ11023
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                                            lymphocytic leukaemia and acute myclogenous leukaemia has probse for determining the cytosine methylation state and/or single mulcottide polymorphisms (SNEs) of haematopoietic cell proliferation disorder related sequences and their complements; and as primars for the amplification of haematopoietic cell proliferation disorder. The nucleotide expenses from the present into central the disorder related pNA sequences. The nucleotide expenses from the discretiation central also be used for detecting a predisposition to the discretiation between subclasses; disapposis, prognosis, treatment of officers and the present method enables a highly specific classification of haematopoietic cell proliferative disorders. The present method enables a highly specific classification of homotopoietic cell proliferations.
                                                                                                                                                                                                                                                                                                                                                                                      differentiating between hemetopoletic ceil proliferative disorders associated with at least 1 gene and/or their regulatory regions in a subject. The method comprises contacting a target nucleic acid in a biological sample obtained from the subject with at least 1 reagent, which distinguishes between methylated and non-methylated Organitation of the contacting a subject with at least 1 reagent, which distinguishes between methylated and non-methylated Organitation of the contact of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lewin A,
Pelet C,
Sequence 18 BP; 2 A; 1 C; 7 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Detecting and differentiating between hematopoletic cell proliferative disorders, comprises contacting a target nucleic acid with a reagent that distinguishes between methylated and non-methylated CpG dinucleotides -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes a method for detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 15; Page 44; 117pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-018942/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Berlin K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-MAR-2001; 2001US-278333P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , eraun A, Distler J,
, Piepenbrook C, Adorjan :
, Lipscher E, Maler S, M
, Schwope I, Ziebarth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GITTATTTCGAGATTA 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GTTGATTTTGAGATTA 998
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Maier S, Model F,
Ziebarth H;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Grabs G, lesche R, Leu
el F, Mueller V, Otto T;
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Lewin A,
Pelet C,
                              hyphocytic lablachia and course measurements of the probes for determining the cytosiae methylatin degrous and/or single nucleotide polymorphisms (sweet) of haematopoiet season and/or single nucleotide polymorphisms (sweet) of haematopoiet season politication disorder related sequences and their complements and politication of haematopoietic cell proliferation disorder related by sequences from the present invention can also be used for detecting a prodisposition to the present invention and also be used for detecting a prodisposition to the present invention of the subclasses, disaposis, promposis, treatment of differentiation between haematopoietic cell proliferative disorders. The cremitoring of members had been a highly specific classification of hematopoietic cell proliferative disorders allowing for improved and informed treatment of patients.
                                                                                                                                                                                                                                                                                                                                                                      subject. The method comprises contacting a target nucleic acid in a biological sample obtained from the subject with at least i reagent, which distinguishes between methylated and non-methylated Cog disucle-betides within the target nucleic acid. ABZ09861 to ABZ01861 prepresent specifically claimed nucleotide sequences from the present invention. Oligonucleotides from the present invention. Oligonucleotides from the present invention can be used: for differentiating between healthy hematopoietic cells and proliferative disorder hematopoietic cells of proliferative disorder disorder hematopoietic cells of prolifer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method for detecting and differentiating between hammatopoietic cell proliferative disorders associated with at least 1 gene and/or their regulatory regions in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Detecting and differentiating between hematopoietic cell proliferative disorders, comprises contacting a target nucleic acid with a reagent that distringuishes between methylated and non-methylated Cpc dinucleotides.
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Piepenbrock C, Adorjan P, Grabs G, Lesche R, Leu B;
Lipscher E, Maler S, Model P, Mueller V, Otto T;
Schwope I, Ziebarth H;
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Sequence 18 BP; 8 A; 7 C; 1 G; 2 T; 0 other

RESULT 170 ABF08123 ID ABF081

ABF08123 standard; DNA; 13 BP

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ABF08122/c
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Best Local S
Matches 12
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                                                                                                                                                         This invention describes govel oligonucleotide primare or peptide nucleic acid (DNA) oligoners for detecting single nucleatide polymorphisms (SNP) and cytosine mathylation status in chemically pservas deginant DNA. The oligonucleotides are used for disposals and/or cytosposis country and a central nervous system, cardiovascular and metabolic disorders. The colligoners are also used for describing call type differentiation.

10190mcr are also used for describing call type differentiation.

10210mcr are persent the oligoners described in the inheriton.

10210mcr are specification, but was obsained in electronic format from part of the printed from the colligoners are placed to the printed from the colligoners obsained in electronic format from NIDO at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invertion describes novel oligonuclectide primers or peptide nucleic acid (PRM, oligonucrs for detecting single nucleotide primers for self-morphisms (SNP) and cytosine methylation statings might ended the primers and an experiment of cancer and a range of diseases including immune system and or progness and respiratory, and central mercus system caldovascolar and metabolic disorders. The colligoners are also used for detecting call metabolic disorders. The oligoners are also used for detecting a manual system and an experimentation.

ARTHOOLIC ARTHOUGH TO present the oligoners described and the revention. NOTE: The sequence data for this patent did not from part of the primed specification, but was obtained in electronic format from him and the primed specification, but was obtained in electronic format from him and the contraction of the primed specification, but was obtained in electronic format from him and the contraction of the contractio
                                                                                                 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleot acid; oytosine methylation; cardiovaechise; pisnex; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                              Homo sapiens
                                                                                                                                                                                                                                       Oligonucleotide SEQ ID NO 241055 for detecting SNP TSC0058794.
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NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at the printed for the printed for the printed for the printed for the printed formation of the print
                                                        Olek A, Piepenbrock C,
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Score 12.6; DB 1; Pred. No. 1.2e+02;

Length 13 Indels

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nucleotide sequence which comprises a angiotensin receptor 1 (AGTR1) isosene selected from isosenes 1-8 and 10 given in the specification. Also included are methods of haplotyping/gencytying the AGTR1 gene of an individual, predicting a haplotype pair of an individual.
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                                                                                                                                                                                                                                                                                                                         Novel genetic variants of Angiotensin Receptor 1 isogenes, useful for improving efficiency and reliability in drug development for treating diseases associated with AGTR1 activity, e.g. hypertension .
                                                                                                                                                      The invention relates to an isolated polynucleotide comprising a first
                                                                                                                                                                                                                                                       Claim 17; Page 10; 44pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-282840/33
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30-MAY-2001; 2001US-0867915
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EP1184456-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         haplotype;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; ss; primer; angiotensin receptor 1; AGTR1; SNP; hypotensive; hypertension; chromosome 3q21-q25; single-nucleotide polymorphism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human Angiotensin receptor 1 allele specific oligonucleotide primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABK47356 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rtp.w1po.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; SEQ ID 241056; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    866 GGTTATGTTATTC 878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGTTAIGTTAITY 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         genotype; arug screening.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Koshy B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           92.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Finkel K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 12.6;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             臣
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              contribution of the property o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAQ49762/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                      WPI; 1993-320743/40.
                                                                                                                      (GEHO ) GEN HOSPITAL CORP
                                                                                                                                                                      11-MAR-1993
                                                                                                                                                                                         18-MAR-1992;
                                                                                                                                                                                                                                      15-MAR-1993;
                                                                                                                                                                                                                                                                               30-SEP-1993
                                                                                                                                                                                                                                                                                                                            WO9319177-A1
                                                                                                                                                                                                                                                                                                                                                                                               transforming growth factor; inhibin; BMP;
bone morphogenests protein; serine/threonine kinase receptor;
PCR; polymerase chain reaction; primer; amplification; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MIS; Mullerian Inhibitory Substance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Membrane serine/threonine kinase receptor DNA primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-APR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAQ49762;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ49762 standard; DNA; 18 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15 BP; 2 A; 0 C; 3 G; 9 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 identifying an association between a trait and at least one haplotype
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               864 TAGGITATGITAT 876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ω
                                                                               PK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TAGGITATGITWT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                               Gustafson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (updated)
(first entry)
                                                                                                                                                                   93US-0029673
                                                                                                                                                                                         92US-0853396
                                                                                                                                                                                                                                  93WO-US02387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92.3%;
                                                                            3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
                                                                               He
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.6; DB 1;
                                                                               Ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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New receptors of the transforming growth factor-beta receptor

EEXXX00000000

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RESULT 175
AAT36073/c
ID AAT36
Degenerate PCR primers were designed based on two highly conserved regions within the CDNA encoding a murine activin receptor, and and porcine TGF-beta type II receptor and the daf-1 receptor of celegans. The primers (see ANTSGOY2 and ANTSGOY3) were used for amplifying clones present in a 14.5 day focatal rate turgenital ridge CDNA COS cell expression library. Four clones encoding portions of four movel polypeptides (all puterity setting the excensive threadment kinases) where obtained and designated pGENT-Mistl, 2, 3 and 4. The inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    family -
inhibin
                                                                                                                                                                                                                                                                     New isolated TGF-beta type
for diagnosis and therapy,
wound healing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GEHO )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mullerian inhibiting substance receptor; MISR; TGF-beta receptor; transforming prowth factor beta type I receptor; gene therapy; wound healing; tumour treatment; rat inhibin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The primers given in A0049761 and A0049762 were used in the isolation of four novel membrane serime/bisconick kinase receptor CNNs (Mistri (A0049763) is believed to encode an isoform of the rate MIS receptor. MIS receptor (MISTRI (A0049765) and mistri (A0049766) are believed to encode monomeric isoforms of the rate inhibin receptor and/or BMP receptor. (Inhibin receptor and/or BMP receptor.)
                                                                                                                                                                                                                        Disclosure; Column 14; 44pp;
                                                                                                                                                                                                                                                                                                                                                                       WPI; 1996-353830/35
                                                                                                                                                                                                                                                                                                                                                                                                                    Donahoe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-JUL-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US5538892-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Transforming growth factor beta receptor superfamily PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT36073;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT36073 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18 BP; 3 A; 4 C; 4 G; 4 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 23; 59pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  756 ATATGGGTCAAGAAGTC 772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 AYATGGCYCCAGARGTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                 PK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         comprising Mullerian Inhibitory Substance Receptors and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HOSPITAL CORP
                                                                                                                                                                                                                                                                                                                                                                                                                 Gustafson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (updated)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93US-0149105.
92US-0853396.
93US-0029673.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93US-0149105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                 X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18
                                                                                                                                                                                                                                                                                      I receptor DNA - used to develop prods e.g. for treating tumours or promoting
                                                                                                                                                                                                                                                                                                                                                                                                                    He
                                                                                                                                                                                                                        English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 12.6;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                 ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                 Wang X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0,
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TO TAKE TO THE PROPERTY OF THE
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AAT54860/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                         02-SEP-1994;
08-SEP-1994;
23-SEP-1994;
23-SEP-1994;
28-SEP-1994;
                                                                                                                                                                                                                                                                   16-AUG-1994;
17-AUG-1994;
19-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                    06-JUL-1994;
15-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene expression, downregulation; interleukin-5; IL-5; ICM-1; intercollular adhesion noiceular sel a, tumour necrosis factor; INF-alpha; respiratory syncytal virus; RSV; bor-abi; oncogene; translocation; chronic meylogenous leukaemia; GML; cancer; biladelphia chromosome; inflammation; autosimmune disease; atherocelerosis myocardial inflarction, stroke; resensoris; crampiant rejection; rhemmatold arthritis psortiatis; myocardial ischaemia; kawaeski disease; eptic sloock; HTV; myocardial ischaemia; kawaeski disease; eptic sloock; HTV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from these clones were used as probes to isolate full-length CNM, sequences for each of the four TGP-beta type I receptors. Misr1 is believed to encode an isoform of the rat Millerian Inhibiting Substance (MIS) receptor, while misr2A/misr2B, misr3 and misr4 are believed to encode momentic isoforms of the rat inhibin receptor and/or BMP receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-APR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-MAR-2003
07-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT54860;
                                                                                                                                                                                                                                                                                                                                                                                                                 18-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-APR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30-JAN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mouse relA hammerhead ribozyme target sequence (nt. position 376)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAT54860 standard; RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 BP; 3 A; 4 C; 4 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       756 ATATGGGTCAAGAAGTC 772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunodeficiency virus; acquired immune deficiency syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AYATGGCYCCAGARGTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (updated)
(first entry)
                                            94US-0311486.
94US-0311749.
94US-0314397.
94US-0316771.
94US-0319492.
94US-0321993.
                                                                                                                                                                                                          94US-0227958
94US-0228041
94US-0245736
94US-0271280
94US-0271280
94US-029133
94US-029133
94US-0292620
94US-029320
94US-030000
94US-030000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94US-0224483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9409-0222795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95WO-IB00156.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 12.6; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.
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RESULT 177
AAX28314/c
ID AAX283
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-NOV-1994;
16-DEC-1994;
23-DEC-1994;
             10-SEP-1997;
                                                                                                                                                                     CYP3A4 substrate, drug-drug interaction identification; boxin exposure, genetic linkage detection; phenotypic variation; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       potentially useful for treating rheumatoid arthritis, restenosis and asthma as well as for increasing colerance to transplanted tissues. The potential immunosupprosesive properties of a riboxyme that cleaves relh maNH means that uses are limited to local delivery, acute indications or as vivo treatment. (Updated on 25-MAR-2005 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           regulator NF kappaB and is implicated specifically in the induction of inflammarcry responses. Regions of the mRNA that do not form secondary folding structures and that contain potential hammerhead and hairpin riboxyme cleavage sites were identified by computer analysis. Riboxyme olivected against these mRNA sequences were responsed and synthesised with modifications that improve their nuclease resistance. The riboxymes are designed to cleave the target sequences and thereby inhibit rall, expression, making them
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Grimm S,
Modak A,
                                          02-SEP-1998;
                                                                      18-MAR-1999
                                                                                                   WO9913106-A
                                                                                                                                                                                                                                                                    17-JUN-1999
                                                                                                                                                                                                                                                                                                                              AAX28314 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence represents a preferred target sequence for enzymatic nucleic acid (i.e. a ribozyme) which cleaves relaminate the nucleotide base position indicated in the DE line. The rela gene product is a subunit of the transcriptional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 2; Page 225; 407pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ribozymes having modified bases and methods for producing them for use in inhibiting disease related genes
                                                                                                                                                                                                                                     PCR primer for Human CYP3A4 gene exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 15 BP; 2 A; 4 C; 5 G; 4 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
                                                                                                                                sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                    777 CTCTGGAGAGACCA 790
                                                                                                                                                                                                                                                                                                                                                                                                         15 CTCCGGAGAGACCA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Karpeisky A, Kisich K,
Pavco P, Beigleman L,
JD, Tracz D, Usman N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Į,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               94US-0345516.
94US-0357577.
94US-0363233.
           97US-0058612
                                          98WO-US18158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chowrira B,
                                                                                                                                                                                                                                                                                                                              DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 12.4; DB 1;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Direnzo A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     renzo A, Draper KG, 1
K, Matulic-adamic J,
Sullivan SM, Sweed
Wincott FE, Woolf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Woolf T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sweedler D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dudycz LW;
Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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RESULT 178
AAF47694
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.6%;
Best Local Similarity 92.9%;
                                                                                                                                                                                                                                                                                                                                                                           Antisense thorapy, antiproliferative, antinflamantory, antiportally kild cyrostatic, derawological, kald cyrostatic, derawological, kald skin diserder. Insulin-like Growth Pactor, I rec postparia, p 1971-188, IGF binding processin (SEPS-2, IGFBS), inflamation, postparia, p 1971-188, IGF binding processin (SEPS-2, IGFBS), inflamation, postparia, p 1971-188, IGF binding processin (SEPS-2, IGFBS), inflamation, inchiposis, setborrhood, rub.
                                                                                                                                                                                                                      28-DEC-2000
                                                                                                                                                                                                                                                                                                                          keratosis, neoplasis, scleroderma, wart, skin cancer, sclerotic disease,
hypermeovascular condition, hyperplasia, kidney disease,
neovascular condition of the retina, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           result from environmental or occupational exposure to toxins. They can also be used to establish animal, cell culture and in vitro cell-free models for drug metabolism, Polymorphic CYPRA gene sequences can be used for expression suitable to determine the effect of promoter and/or intron sequence variations on mENA expression and stability. The polymorphisms are also used as single nucleoride polymorphisms to detect genetic linkage to phenotypic variation in activity and expression of PEPAA. The models acids can also be used to generate genetically modified non-human animals or sites specific gene modifications in cell lines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           comprising the CYP3A polymorphic sequences can be used to acreen patients for allered metabolism for CYP3As substrates, potential drug-drug interactions, and adverse/side_effects as well as diseases that
                                                                                                                                                                                                                                                         WO200078341-A1
                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF47694;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF47694 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a CYP3A4 sequence polymorphism, which is part of a non-naturally occurring chromosome. Nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New isolated CYP3A4 polymorphic sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IGFBP3 oligonucleotide #1114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example; Page 18; 40pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AXYS-) AXYS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This sequence represents a PCR primer for the human CYP3A4 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      817 CIGCIGCCITCAGG 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14 CTGCTGGCTTCAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 5 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5 C; 4 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               뫋
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.4; DB 1;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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0,

Ameliorating the effects of a disorder, e.g. psoriasis,

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WPI; 2001-041421/05

2

Werther

GA,

Edmondson

SR

(MURD-) MURDOCH CHILDRENS RES INST

21-JUN-1999;

9908-0140345

21-JUN-2000; 2000WO-AU00693

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RESULT 179
AAF47695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              receptor, 10° binding protein [Graph] 2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation. Inflammation and/or other disorders. The present sequence is an oligomucleotide which can be used to design the antisense oligomucleotides of the present invention (see Aprilis) and Aprilis-19-18(1). The method is useful for amaliary the effects of psorialis, ichthyosis, pityriasis, ruba, pilaris, serborrhoes, kabids, keratosis, mophasis, selectedorma, warts, bening growths, cancers of the retina, brain or skin, growth factor-mediated malignancies, other selectic disease, kidney disease, hyperpediated malignancies, other totod vessels or any other hyperplasis, properties of the inside of
Ameliorating the effects of a disorder, e.g. psoriais, by antisense uncleic acid that inhibits or reduces growth factor mediated cell proliferation and/or infilamention:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense therapy, antiproblicerative; antinflammatory, antiportatic; cytottatic; demandological; keloid; cytottatic; demandological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; 107-1; pittyriasis; 107 binding procedin; 107-19-2; 105/19-1; inflammaticin; psortasis; pilaris; growth factor mediated cell proliferation; inflamosticin; serborrhoes; ruba; kcratosis; nepjasis; schordoderms; wart; skin cancer; scleroric disease; hypernovascular condition; hyperplasis; kidney disease; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation -
                                                                                                                                                                     WPI; 2001-041421/05
                                                                                                                                                                                                                               Wraight CJ,
                                                                                                                                                                                                                                                                                                   (MURD-) MURDOCH CHILDRENS RBS INST.
                                                                                                                                                                                                                                                                                                                                                                  21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                      21-JUN-2000; 2000WO-AU00693.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200078341-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IGFBP3 oligonucleotide #1115.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAP47695;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF47695 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15 BP; 8 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin like Growth Factor [GGF]-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 7; Page 51; 201pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             898 ACCAAAGTTTACAA 911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                               Werther
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                  9908-0140345
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                                                                                                                                                                                                                               GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 C; 2 G; 3 T; 0 other;
                                                                                                                                                                                                                               Edmondson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 12.4; DB 1;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                               SR
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Or the present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an cartisense oligonuclectide, (for Insulin-like scowch Factor [KGF]-1 creepptor, IGF binding protein [IGFB-1-2 or IGFB-3], which is capable of inhibiting or reducing prowch factor mediated cell proliferation, crinilammation and/or other disorders. The present sequence is an expectation of the present invention (see Anvals1) and crollogonuclectides of the present invention (see Anvals1) and crollogonuclectide of the province of the crollogonuclectide of the province of the crollogonuclection of the province of the crollogonuclection of the control of the province of the crollogonuclection of the crollogonuclection of the setting brain or skin, proveh factor-mediated analignancies, other selection disease, kidney disease, hyperproliferation of the inside of selection disease, kidney disease, hyperproliferation of the inside of selection disease, kidney disease, hyperproliferation of the inside of selection disease, kidney disease, hyperproliferation of the sisted of skin of the crollogonuclection of the selection disease, kidney disease, hyperproliferation of the sisted of the selection disease, kidney disease, hyperproliferation of the sisted of the selection disease, kidney disease, byte province of the selection disease, kidney disease, byte province of the selection disease, kidney disease of the selection disease, kidney disease of the selection disease, kidney disease of the selection disease.
             Query Match
Best Local
                                                                                                                                              Sequence 15 BP; 8 A; 2 C; 2 G; 3 T; 0 other;
                                                                                                                                                                                                                                blood vessels or any other hyperplasia
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      Similarity
      0.6%;
Score 12.4; DB 1;
Pred. No. 1.8e+02;
                                               Length 15;
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rrrxxxx6666666666666666666

## 898 ACCAMAGITTACAA 911 ACCAAAGTTTAGAA 14

8 S

Matches

Conservative

0;

Mismatches

Indels

0, Gaps

0

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RESULT 180
AAF47735/c
Antisense therapy, antiproliferative, antiinflammatory, antipsoriatic, optostatic, dermatological, cardiant, viruncide, ophthalmological; koloid, skin disorder, insulin-like growth Factor 1 receptor; lGF-1, pityriasis, lGF binding protein, IGSE9-2, IGSE93; inflammation, psoriasis, plainis; growth factor mediated cell proliferation; ichthyosis, serborthoea; ruba, teratosis; neoplasia, scleroderma; wart, skin cancer; sclerotic disease; peperaneovascular condition, hyperplasia, kidney disease; neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF47735 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                  30-MAR-2001
                                                                                                                                                                                                                                                                                                                                        IGFBP3 oligonuclectide #1155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF47735
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21-JUN-2000; 2000WO-AU00693
                             28-DEC-2000
                                                                                       HOMO
                                                          WOZ00078341-A1
                                                                                     sapiens.
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21-JUN-1999; MURDOCH 9908-0140345 CHILDRENS RES INST

Wraight á Werther GA, Edmondson SR;

WPI; 2001-041421/05.

Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antis mucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation an antisense

Example 7; Page 51; 201pp; English

The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an

88888888888

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RESULT 181
AREAT738/G
ID AREAT7
XX
AC AREAT7
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Best Local S
Matches 12
                       The present invention relates to a method for amalicating the effects of skin disorders. The method comprises contacting the skin visit and antisense oligomacleokide. (for Insulin-like Growth Racher [169] h. antisense oligomacleokide.) [160] h. antisense oligomacleokide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense therapy, antiproliferative, antinflammatory, antiportatic, cycostatic, dermacological, cardiant, varucide, ophthalmological, keloid, skin disorder, insulin-like Growth Factor I receptor, IGP-1, pittylasis, IGF binding procein, IGEP-2, IGEPS-1, inflammator, psoriasis, pilaris, growth factor mediated cell proliferation, ichthycais, setborrhoe, ruba, keratocsis, medyalasis, sctoroderms, watt, skin cancer, sclerotic disease, mysermeovascular condition, hyperplasia, kidney disease, meovascular condition by the retina, ss.
                                                                                                                                                                                                                                                                                                                                                  Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antis nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense oligonucleotide, (for Insulin-like Growth Factor [IGP]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBS1), which is capals of imbibiting or reducing growth factor mediated cell proliferation, inclammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide of the present invention (see AMP45151 and Oligonucleotides of the present invention (see AMP45151 and AMP45153-P45161). The method is useful for ambitrating the effects of paperiasis, ichthyosis, pityriasis, ruba, pilaris, setborrhoea, keloider,
inflammation and/or other disorders. The present sequence
                                                                                                                                                                                                                                                                            Example 7; Page 51; 201pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MURD-) MURDOCH CHILDRENS RES INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   psoriasis, ichthyosis, pityriasis, ruba, pilaris, serbornhoes, keistöde, kezatosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the rectina, brain or skin, growth factor mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IGFBP3 oligonucleotide #1158
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001-041421/05
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13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GTTTACAATTCAAA 917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; DNA, 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GITTACCATICAAA 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0140345
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                         an antisense
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The present invention relates to a human or humanised antibody (bb) which specifically binds to fibroblast activating protein alpha (FRelpha). The antibodies are useful for preparing a composition for the treatment of cancer, and for imaging tumours associated with activated stronal fibroblasts, such as colorectal cancer, non-small-sell lung cancer, breast cancer, head and neck cancer, ovarian cancer, lung cancer, bladder present cancer, the cancer of the canc

dancer, pancreatic cancer and metastitic brain cancer, and diseases associated with bhe same, such as inflammation and wound healting. The present sequence is a coding sequence described in the exemplification of

Sequence 15 BP;

6 A;

6 C; 0 G; 3 T; 0 other

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RESULT 182
AAL46568/c
ID AAL465
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Best Local S
Matches 13
                                                                                                                                                                                                                                                         Park J,
Schmidt
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                                                                     New human humanized antibody that specifically binds to fibroblasts activating process alpha, useful for treating ceneer or tumor, and for imaging tumors associated with activated stromat fibroblasts, e.g. lung
Disclosure; Fig 6E; 109pp; English
                                                       or breast cancer
                                                                                                                                                                                   P-PSDB; AA017623.
                                                                                                                                                                                                                                                                                                                                                                                      17-MAR-2000;
11-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200168708-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; FAPalpha; fibroblast activating protein alpha; antibody; Ab; gene therapy; cancer; wound healing; inflammation; cytostatic; gene; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human FAPalpha specific VL region from VH34 CDR1 DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-AUG-2002
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                                                                                                                                                                                                          2002-041180/05
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                                                                                                                                                                                                                                                                                                                                   SOEHRINGER INGELHEIM PHARMA KG.
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                                                                                                                                                                                                                                                                                   Garin-Chesa
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2000GB-0022216.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 92.9%;
                                                                                                                                                                                                                                                                               ۵
                                                                                                                                                                                                                                                                               Pfizenmaier K,
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Pred. No. 1.
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                                                                                                                                                                                                                                                                               Moosmayer D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .8e+02;
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                                                                                                                                                                                                                                                                               Mersmann M;
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믕 Ś

Length 15;

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RESULT 183
ABZ81747
The present sequence is that of oligonuclectide Habitsher, which consider the present sequence of the translation of the American (HB) gens. The oligonuclectide is medified at maintenance (HB) gens. The oligonuclectide is medified at maintenance of the consideration of the American continues that the HB gens excil triplet repeat region that the control of the triplet repeat region caseciated with HB. Administration of this solve oligonuclectide to neutronal Parkets and the triplet is present region. The triplet is a decrease in Mantington process humanist HB and the triplet is a decrease of the treatment of the alect the promote HB gens of the proposalty of the sequence of the proposalty of the sequence of the proposalty of the sequence of the proposalty of the treatment or prevention of HB.
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                  preventing
                                                                                                                                                                                                                                                                                                                                                                                                   Huntington's disease gene to be altered, useful for treating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kmiec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-AUG-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide HDA3T15mer, used to treat Huntington's disease.
                                                                                                                                                                                                                                                                                                                                  Example 5; Page 71; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   New single stranded oligonucleotides comprising a DNA domain having at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-247928/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-AUG-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-AUG-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          huntingtin; human; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Huntington's disease; nootropic; anticonvulsant; phosphorothicate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-JUN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABZ81747 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    750 TTGATAATATGGGT 763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ₽В,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14 TTGATAGTATGGGT 1
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                                                                                                                                                                                                                                                                                                                                                                               Huntington's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Parekh-Olmedo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; 2001US-310757P.
; 2001US-310770P.
; 2001US-310889P.
; 2001US-337219P.
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13..15
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/mod_base= OTHER
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/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note= "phosphorothicate linkages
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Pred. No. 1.8e+02;
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AAX71584
ID AAX
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AC AAX
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DT 28-,
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DE Hume
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AAI64944
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                                                                                                                      RESULT 185
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Best Local Similarity
                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                           The present invention relates to the coding sequence of human Creeml, which is a protein containing a regestitive 86 amino acid anotif. The protein is a transcriptional control factor, and is a conjugate of retinoblastoms protein (8b). The present sequence is the an intron-exon junction in the coding sequence of the invention.
                                                                      AAX71584;
                                                                                                                                                                                                                                                    Sequence 16 BP; 3 A; 4 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                  Disclosure; Fig 3B; 35pp; Chinese
                                               28-JUL-1999
                                                                                              AAX71584 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                           application -
                                                                                                                                                                                                                                                                                                                                                                                      New retinoblastoma protein binding protein, its preparation and
                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-566148/64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JAN-2000; 2000CN-0111426
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             retinoblastoma protein; intron-exon junction; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human Cream1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAI64944;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SHAN-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; Cream1; repeat; transcriptional control factor; Rb
                                                                                                                                                                                                                   Match 0.6%;
Local Similarity 92.9%;
                                                                                                                                                                               676 CTTTGCAGCGGAAG 689
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               SHANGHAI INST CYTOBIOLOGY CHINESE ACAD
                                                                                                                                                        CTTTCCAGCGGAAG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGTAGCAGCTGTTG 810
                                                                                                                                                                                                      Conservative
                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein coding sequence intron 8/exon 9 junction
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Qian M;
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Pred. No. 1.8e+02;
                                                                                                                                                                                                                   Pred. No.
                                                                                                                                                                                                                             Score 12.4; DB 1;
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                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                 2e+02;
                                                                                                                                                                                                      1;
                                                                                                                                                                                                                             Length 16;
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Vascular endothelial growth factor receptor; VEGF receptor; flt-1; Human KDR VEGF receptor hammerhead ribozyme substrate #596

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RESULT 186
AAQ03130/C
ID NA0031
XX
AC AAQ031
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POT 25-MAR
DT 09-SEE
DE 011go
DE (00) f
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding I or more receptors of vascular endothelial growth factor (MEGP). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase I (filt-I), kinase inspert domain containing receptor (KDR) and/or foetal liver kinase I (fik-I) (e.g. tumour angiogenesis, cular diseases, psoriasis and themancoid arthritis) can be treated by administering the nucleic acid molecule or the patient. AMAG7275 to AMAT552 responsent specific examples of nucleic acid molecules from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mudiaic acid moderule modulating VBAF receptor(s) gene expression or mRNA stability - useful for treating e.g. rumour aggiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                         28-DEC-1989
                                                                                                                                                                                                                                                      Glucose oxidase; Aspergillus niger; glucose oxidase oligo probe 7.
                                                                                                                                                                                                                                                                                                                                                                                                               09-SEP-1990
                             20-JUN-1989;
                                                                                                                                                W08912675-A
                                                                                                                                                                                                   Aspergillus niger
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11-JAN-1996;
26-OCT-1995;
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tumour angiogonessis; poortiasis; ribamatoid atthritis; ocular disease;
fms-like tyrosine kinase l; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-OCT-1996;
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les 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1078 TGATAACTTTGGAA 1093
                                                                                                                                                                                                                                                                                                                  from Aspergillus niger
                                                                                                                                                                                                                                                                                                                                               probe 7 designed from amino acid sequence
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                                                                                                                                                                                                                                                                                                                                                                                                       (updated)
(first entry)
                             89WO-US02696
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95US-0005974.
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Pred. No. 2.2e
4; Mismatches
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2.2e+02;
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Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis,

(CHIR ) CHIRON CORP.
(RIBO-) RIBOZYME PHARM INC

WPI; 1997-259017/23 Escobedo J,

McSwiggen J,

Pavco P,

Stinchcomb 5 11-JAN-1996; 26-OCT-1995;

95US-0005974 9608-0584040

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RESULT 187
AAX69911
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        An oligopeptide fragment of native enzyme GO from A. nigez was purified and the mains acid sequence determined. Probe 7 was made from the region of lowest degeneracy. It has 48 fold degeneracy. Although it was designed to enable detection of cDNA sequences encoding GO in a lambda glul library, it was not found to be useful for detecting such clones. GO that is produced by the method of the patent is free of conteminants, esp. highly allergenic Aspergillus niger organisms. The high cost of purificm. is avoided.

Updated on 35-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                      Vascular endothelial growth factor receptor, VBGP receptor, fit-1; fik-1, KDR, hammethead riboyme; halrighi riboyme; cleavege; tleaves; tumoux angiogenesis; psociasis; rhommatoid arthritis; ocular disease; tmm-like tyrosine kinase 1, kinase insert domain containing receptor; fmm-like tyrosine kinase 1, kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX69911;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and vectors contg. them, secreting glucose oxidase hyper-glycosylated analogues into medium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-1988;
19-JUN-1989;
                                                                                                                                                                           25-OCT-1996;
                                                                                                                                                                                                        01-MAY-1997
                                                                                                                                                                                                                                   W09715662-A2
                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                          Human flt1 VEGF receptor hammerhead ribozyme substrate #1206
                                                                                                                                                                                                                                                                                                                                                                                                      28-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX69911 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 6 A; 2 C; 1 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page ?; 08pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Recombinant polynucleotide(s) encoding glucose oxidase or a mutein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1990-022535/03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CHIR ) CHIRON
                                                                                                                                                                                                                                                                                        foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      911 ATTCAAAATGAGAA 924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17 ATTCAATATGAGAA 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88US-0209530.
89US-0366377.
                                                                                                                                                                           96WO-US17480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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RESULT 18 ANX 699 12 A
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                                  the synthesis expression and/or reability of a mRNA encoding 1 or more receptors of wascular emochabilal shows heartor (1939). A patient (preferably human) having a condition with seconded with the level of the fine-like tycothine kinase [fit-1] his second meet domain containing receptor (1938) and/or fostal liver kinase [field.]). It is good to consider the receptor (1938) and/or fostal liver kinase [fit-1] this good the containing receptor (1938) and/or fostal liver kinase [fit-1] this good to contain the containing receptor (1938) and/or fostal liver kinase [fit-1] this good to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to contain the containing receptor (1938) and for fit is contained to containing receptor (1938).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, paoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          the synthesis, expression and/or stability of a maxim accoding for the strain and associated which is a condition of more presented by the partial of more presented to the partial of the fine-like tyronine kinese | firt | kinese careed with the level of the fine-like tyronine kinese | firt | | fir
                                                                                                                                                                                                                                                                                                                                                           The present invention describes nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 4; Page 83; 218pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Escobedo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1997-259017/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-OCT-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 foetal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-JUL-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 0.6%;
Local Similarity 42.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               978 GAGATGITGATTIT 991
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                 ocular diseases,
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95US-0005974.
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Pred. No. 2
psoriasis and rheumatoid arthritis) car
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947 AGTGGTCCATGTGT 960

Query Match Matches Best Local

Similarity

0.6%;

Conservative

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Mismatches

Pred. No. 2.2e+02; Score 12.4; DB 1;

Length 17; Indels

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RESULT 190

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RESULT 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                             from the present invention. The ribozymes can be used for the treatment of e.g. graft rejection, autoimmume disease, cancer, psociasis, allergy and other inflammatory conditions. The ribozymes are also used to induce tolerance in a recipient to alloantigen from a donor.
                                                                                       The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma ancoded RNA. ANV93889 to ANV94574 represent specifically claimed ribozymes and ANV94575 to ANV9550 represent specifically claimed substrate sequences
Sequence 17 BP; 5 A; 6 C; 3 G; 3 U; 0 other;
                                                                                                                                                                      Claim 4; Page 46; 61pp; English.
                                                                                                                                                                                                   Ribozymes targeted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, 1L-2 receptor g-chain, interleukin 2 receptor gamma chain, hammerhead riboxyme; hairpin riboxyme, substrate; expression, cancer, attoinmune disease, psoriasis; allergy; inflammatoxy disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV95140 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX7975 represent specific examples of nucleic acid molecules from the present invention.
                                                                                                                                                                                                                                                                                 McSwiggen JA,
                                                                                                                                                                                                                                                                                                                                                                           02-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Canine IL-2 receptor g-chain substrate position 536.
                                                                                                                                                                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                           11-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9824913-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Canis sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  graft rejection; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 0 C; 5 G; 7 U; 0 other;
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                                                                                                                                                                                                                                                    1998-333332/29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGATGTTGATTTT 991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGAUGUUAAUUUU 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                 Stinchcomb DT
                                                                                                                                                                                                                                                                                                                                              96US-0758306
                                                                                                                                                                                                                                                                                                                                                                           97WO-US21748
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12.4; DB
Pred. No. 2.2e+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.26+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
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CHAMA CLEAVING ACCIVITY, which specialized vices we now encour any an any accidence of the control of the contr
                    Matches 10;
                                                   Query Match
Best Local Similarity
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                                                                                                                                               Sequence 17 BP; 6 A; 5 C; 1 G; 5 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 56; Page 110; 305pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human TIE-2 substrate sequence SEQ ID NO:1903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-JUN-2000 (first entry)
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                                                                                                                                                                                                                 subunit alpha-6, or integrin subunit beta-3.
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                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9805-0079678
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                                             71.48;
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                                             Score 12.4;
Pred. No. 2.
                    Mismatches
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                                             .2e+02;
                                                                       DB 1; Length 17,
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          Indels
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     Gaps
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1027 CAAAATTTCCAAGC 1040

Sequence 17 BP; 5 A; 4 C; 5 G; 3 U; 0 other,

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ci the present invention describes enzymatic nucleic acid melocules with CRM Cleaving activity, which specifically (cleave RNA cleaving activity) and the property of the control of the control of the cleaving activity of the control of the cleave activity of the control 
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AAA20430
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 55; Page 145; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-591315/50
integrin subunit alpha-6, or integrin subunit beta-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         myopic degeneration; psoriasis; verruca vulgaris; angiofibroma; tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-JUN-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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RESULT 193
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to enzymatic and entisense nucleic acid molecules that act as inhibitors of the expression of tepressor genes encoding the TR2 Orphan receptor. BR2/COND-TP2-1, the QR3 Exameripsion factor gene. TR2-2 acid on the CATAT Displacement Protein (CDP). Inhibition of the repressor covers prevent inhibition (and consequently increases expression of) genes involved in the production of crythropoletin, granulocyte colony stimulating factor
              Hammerhead ribozyme substrate #127.
                                                       16-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Enzymatic and antisense nucleic acid inhibition of repressor genes useful for producing e.g. gramulocyte colony simulating factor protein, interferon alpha and erythropoietin
                                                                                                                                AAF01832 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 5 A; 2 C; 5 G; 5 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    protein and interferon alpha.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37; Page 58; 164pp; English
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                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                   ATGGTATTCAGACT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAGGUGUAGCAGCU 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zwick M,
                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.6%;
                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                            Score 12.4; I
Pred. No. 2.2e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 12.4; DB 1;
Pred. No. 2.2e+02;
3; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         McSwiggen
                                                                                                                                                                                                                                                                                                                                 ; DB 1;
2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ړے
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ι,
                                                                                                                                                                                                                                                                                                                                                  Length 17;
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                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local (
                                                                                                                                               Human; gene therapy, adenosine deaminase deficiency; p53; beta-globin; retinoblastoma BCA1; BEG22; CPTR, cystic fibbas; cancer; Rector V, cyclin-dependent kinase inhibitor 2A, CDRN2A; melanoms; ACP; HBA1; HBA2; deamonatons polyposis of the colon; Rector X, chrombosis; haemophilia; alpha locus 1X; chrombosis; haemophilia; alpha locus 1X; himshosis; haemophilia; alpha locus 1; blin; ADDR; miamatch repair; NSF2; MSR5; hyperlipidenia; alpha locus 1; blin; alpha locus 1; blin; bli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 molecules that act as inhibitors of the expression of repressor geness encoding the TRA Oxphan receptor, ERA/COUP-TF-1, the GAM, transcription factor gene, IRF-2 and/or the CAMT Displacement Protein (CPP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropotechi, granulocyte colony stimulating factor protein and interferon alpha.
                                                                                                                                                                                                                                                                                                                                                        CFTR mutation correcting oligonucleotide SEQ ID NO: 1207
                                                                                                                                                                                                                                                                                                                                                                                                       24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABA78361 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 8 C; 1 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocypte colony stimulating factor protein, interferon alpha and crythropoietin -
                                                             WO200173002-A2
                                                                                                HOMO Sapiens
                                                                                                                                         antilipemic; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 37; Page 58; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to enzymatic and antisense nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ribozyme; exythropoietin; granulocyte colony stimulating factor; interferon alpha; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 CCCATCTCTACCAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCCATGTCTACCAA 902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zwick M, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9908-0129390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 McSwiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 17;
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Best Loc
Matches
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                                                                                                                                                                                                                                                                      Human; gene therapy; adenomine deminase deficiency, p83, beta-globin; retinoblastoma, BGCA1, BEGZ2, CPTE, cystic fibrosis, cancer; cyclin-dependent kinase inhibitor 2A, COMMA, medanoma; AEC; HRA1; HRA2; demonstrus polyposis of the colon, Factor WII bactor X; thrombodis; heemophilia, alpha bhlasteamia, benegalobin alpha locus X; thrombodis; heemophilia, alpha bhlasteamia, benegalobin alpha locus; X; LIDA; mismatch repair, WSEZ MSH5; hyperlipidaemia; aphlipoprotein E; LDA; mismatch repair, WSEZ MSH5; hyperlipidaemia aphlipoprotein E; LDA; femilial hypercholesterolasma; WST, syndrome, PSP, PSRNI; antisense; UPS-glouwoony/Lransferase; aminopolicy antisense; cyclosus constructions protectin; presentinin; presentinin; presentinin; cyclosus cyclosus constructions antisense; cyclosus construction antisense; cyclosus construction antisense; cyclosus cyclo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides single-extranded oligonuclocytics which can be used for the targeted alteration of genomic exquences where the oligonucleotide has at least one mismatch compared with the genomic sequence to be altered. In particular, these sequences are directed at the following genes: adenosine deaminase, p33 bets 93obin. Set 1000 particular the second particular the second particular compared with the general control of the particular compared with the second particular can general particular pa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       such as cancer, adenosine deaminase deficiency, cyetic fibrosis, hemophilia, byrectholesterolaemia, thalasseemia, sickle cell masmia, Mizheimer's disease, melanoma, adenomatous polyposis of the colon and various syndromes. The present sequence is one of the gene correcting oligomucleoties of the invention.
                 04-OCT-2001
                                                                                             W0200173002-A2
                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                    antilipemic; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CFTR mutation correcting oligonucleotide SEQ ID NO: 1208.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABA78362 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 7; Page 117; 294pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oligonucleotide for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-2000; 2000US-192176P
27-MAR-2000; 2000US-192179P
01-JUN-2000; 2000US-208538P
30-OCT-2000; 2000US-244989P
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01-JUN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYDE ) UNIV DELAWARE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        926 AGAGAGGATGTACT 939
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 4 A; 6 C; 3 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001WO-US09761
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP
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Pred. No. 2.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
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ABK26179/c
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porphyrio herbicide resistance; triazine resistance; disease resistance; modified oil production; modified starch production; waxy starch; altered floral morphology; male-seral plant; albino metant; modified fatty acid content; reduced paintitate production; albino plant; increased steatate production; reduced linolenic acid production; photosynthetic process.

Chromesomal genomic alteration, genome altering oligonuclectide, PCR; 88, o-methyl modification; DNA modification; phosphorothicate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin-B; abiocic etress tolerance; improved mutritional value; hygromycin-B; maino acid over production; herbicide resistance; glyphosate resistance; imidazolinose herbicide resistance; sulphomycinra herbicide resistance;

Increased starch production genome altering oligonucleotide #31

ABK26179 standard; DNA; 17

09-APR-2002

(first entry)

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                                                                                                                                                                                                                                                           co be used for the targeted alteration of genomic sequences, where the coligonacieotide has at least one mismatch compared with the genomic sequence to be altered in particular, these sequences are directed at the following genes: adenoine deathcar, these sequences are directed at retinohastoma, BRCh1, BRCh2, GFR, Cyclin-dependent Kinase inhibitor 2A (CURNA), ARC, Factor V, Factor VIII, Factor IX, haemoglobin alpha locus C (CURNA), ARC, Factor VIII, Factor IX, haemoglobin alpha locus C (CURNA), ARC, Factor V, Eactor VIII, Factor IX, haemoglobin alpha locus C (CURNA), UDP-glucuronopyltransferase CC (UCRNA), DRCH2, Factor V, Eactor VIII, Factor IX, haemoglobin alpha locus C (EACH), CREATI, ARCH C (EACH), CREATI, CREAT
                                                                                                                               Matches
                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-MAR-2000; 2000US-192176P
27-MAR-2000; 2000US-192179P
01-JUN-2000; 2000US-208538P
30-OCT-2000; 2000US-244989P
                                                                                                                                                                                                                                                  Sequence 17 BP; 4 A; 3 C; 6 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                  oligonucleotides of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides single-stranded oligonucleotides which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 7; Page 117; 294pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligonucleotide for targeted alterations of genetic sequences and for treating cystic fibrosis, comprises at least one mismatch and chemical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-639230/73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kmiec EB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-MAR-2001; 2001WO-US09761.
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                                                                                                                                                           Local Similarity
                                                      926 AGAGAGGATGTACT
                                                                                                                               13;
AGAGAGGCTGTACT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gamper HB,
                                                                                                                           Conservative
                                                                                                                                                           92.9%;
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                                                           939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            š
                                                                                                                           0; Mismatches
                                                                                                                                                      Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                           1; Indels
                                                                                                                                                                                      Length 17;
                                                                                                                      0;
                                                                                                                  Gaps
                                                                                                                           0
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imidazolinone herbicide resistance; sulphonylurea herbicide resistance;

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ABK26180
ID ABK2
XX
AC ABK2
XX
DT 09-1
DT 09-1
XX
Incl
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Chr
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              Chromosomal genomic alteration, genome altering oligonucleotide, PCR; o-methyl modification; DAN modification; bhosphorothicate inhage, DNA repair; DNA alteration, environmental colorance; bygromycin-B; abiotic stress tolerance; improved mutilional value; bygromycin; prin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        directing repair or alteration of plant genetic information. The oligomolecides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved murritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistence (e.g. glyphosate resistence, imidazolinone and suppomytures herbicide resistence, modified only production, of the production of the plants or conferring amino acid over production of the plants of the production (e.g. increased astarch production of taxy starch), altered choral morphology (e.g. male-sterile plants) or modified fairly gold content.
                                                                                                               Increased starch production genome altering oligonucleotide #32
                                                                                                                                                               09-APR-2002
                                                                                                                                                                                                       ABK26180
                                                                                                                                                                                                                                         ABK26180 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (e.g. reduced palmitate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome altering oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       consist of o-methyl modification, an IMA modification, two or more phosphorothicate linkeges on a terminus, or a combination of any two more of these modifications. The oligonucleotides are useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                genetic sequence, which comprises a single-stranded oligonucleocide having a DNA domain five DNA domain thas at least one mismatch with respect to the genetic sequence to be altered and further comprises clemical modifications of the oligonucleotide, The chemical modifications
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an oligonucleotide for targeted alteration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 7; Page 136; 220pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New oligonucleotides with modified nuclease-resistant termin; useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-106307/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kmiec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-2000; 2000US-208538P
30-OCT-2000; 2000US-244989P
27-MAR-2001; 2001US-0818875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-2001; 2001WO-US17672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200192512-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                    865 AGGITATGTTATTC 878
                                                                                                                                                                                                                                                                                                                                             17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88,
                                                                                                                                                                                                                                                                                                                                                                                                                    1 Similarity
13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             oil production
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 8 A; 2 C; 3 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                   92.9%;
herbicide resistance; glyphosate resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   č
                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kim u
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                               0,
                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                 primer
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                                                                            88
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01-JUN-2000; 2000US-208538P
30-OCT-2000; 2000US-244989P
27-MAR-2001; 2001US-0818875
                                                                                                                                                                                                                                                                                                                                                                                             operphyric herbicide resistance; triazine resistance; disease resistance; modified oil production; modified starch production; waxy starch; altered floral morphology; male-sterile plant; ablino mutan; modified fatty acid content; reduced palmitate production; albino plant;
                                                                                                                                                                                                                                                      Kmiec EB,
                                                                                                                                                                                                                                                                     (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                01-JUN-2001; 2001WO-US17672
                                                                                                                                                                                                                                                                                                                               06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                 photosynthetic process.
                                                                                                                                                                                                                                                                                                                                              WO200192512-A2
                                                                                                                                                                                                                                                                                                                                                                   Arabidopsis thaliana.
                                                                                                                                                                                                                                                                                                                                                                                        ncreased stearate production; reduced linolenic acid production;
                                                                                                                                                                                                                                                      Gamper HB,
                                                                                                                                                                                                                                                      Rice
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                                                                                                                                                                                                                                                      Xim
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for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil production New oligonucleotides with modified nuclease-resistant termini, useful

Claim 7; Page 136; 220pp; English

ce discreting repair or alteration of plant general formation. The conjugate of the conjuga genetic sequence, which comprises a single-stranded oligonucleotide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modifications of the oligonucleotide. The chemical modifications altering oligonucleotide of the invention. consist of o-methyl modification, an IAM modification, two or more phosphorethicate inhages on a terminus, or a combination of any two or more of these modifications. The oligonucleotides are useful for direction when the control of the control o The invention relates to an oligonucleotide for targeted alteration of a

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Sequence
  17 BP; 4 A; 3 C; 2
G; 8 T; 0 other,
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RESULT 198
ABT34446/c
ID ABT344
                                                                                               Matches
                                                                                                                 Query Match
ABT34446 standard; DNA; 17
                                                                                                         Local
                                                                      865 AGGTTATGTTATTC 878
                                                                                             13;
                                                                                                      Similarity
                                                   AGTITATGITATIC 14
                                                                                             Conservative
                                                                                                     0.6%;
                                                                                           0
                                                                                                      Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                           Mismatches
                                                                                                              Length 17;
                                                                                          ٥,
                                                                                        Gaps
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RESULT 199
ABT35287/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ce given in the specification, a sequence containing at least 15 cross-curies nuclections from the Tymer equence, consecutive nuclections from the Tymer equence, as equence with alignment, at least 10 identity equence, a sequence with the highest 15 cross-curies of the modern highly etringent emplanes, containing and containing and containing and containing and containing and primers containing and containing and primers containing and containing and primers containing and for production of recombinant polyappides. Any of the mutilification, containing the mutilification and for the mutilification, containing the mutilification and containing the containing the mutilification and containing the containing the mutilification and containing the containing the containing the containing the mutilification and containing the containing and antibodies are useful as components of protein containing and antibodies are useful as components of protein containing and antibodies are useful as components of protein containing and containi
                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                    Query Match
12-JUN-2003 (first entry)
                                                     ABT35287;
                                                                                            ABT35287 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 therapy. This related human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells
                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 7 A; 5 C; 1 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a novel isolated 17 mer nucleic acid sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 43; 720pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MOLE-) MOLECULAR ENGINES LAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-SEP-2001; 2001FR-0011978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17-SEP-2002; 2002WO-IB04208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003025175-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       numan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour suppression related human fukutin oligo SEQ ID No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                schizophrenia;
                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                980 GATGTTGATTTTGA 993
                                                                                                                                                                                                                     16 GATGTTGATTTAGA 3
                                                                                                                                                                                                                                                                                                                                           Similarity 92.9%;
                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                             polynucleotide sequence represents a tumour suppression fukutin oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein chip; gene therapy; tumour suppression; ds.
                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tuijnder M;
                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                        Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                Length 17;
                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                               0
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Tumour suppression related human fukutin oligo SEQ ID No 1741.

12-JUN-2003 (first entry)

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RESULT 200
ABT36104
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ********
                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a movel isolated 17 mer muchaic acid sequence, given in the appositionation, a sequence containing at last to consecutive muchaotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence with sequence that bybridises to them undertity to the 17 mer sequence of the complement of any of thems, or the complement of any of thems, or the complement of any of thems, or the complement of the primers of the sequence and primers for detecting identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene thip, in vitro as family sense reagents, and for production of the combinant polypeptides. May of the nucleic acids, sells containing the polypeptides, vectors containing the
                                                                                                                                                                                                                                                                                                                           chips. The nucleic acid sequences of the invention can be used in gen
therapy. This polymucleotide sequence represents a tumour suppression
related human fukutin oligomucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                        patient samples is useful for disgnosts and/or prognosts of these diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                        polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Albehsen's disease and senizophrenia. Analysis of the expression of the 17 mer nucleic acids in actions.
ABT36104 standard;
                                                                                                                                                                                                                                                                                    Sequence 17 BP; 9 A; 5 C; 1 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 141; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    polypeptides, antibodies and transfected cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-313353/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Telerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-SEP-2001; 2001FR-0011978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-SEP-2002; 2002WO-IB04208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003025175-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumour suppression related human fukutin oligo SEQ ID No 924
                                                                                                                                   983 GTTGATTTTGAGAT 996
                                                                                                          15 GTTGTTTTGAGAT 2
                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amson R, Tuijnder M;
DNA; 17
                                                                                                                                                                                                                 0.6%;
92.9%;
                                                                                                                                                                                             0,
                                                                                                                                                                                                                    Score 12.4; DB 1;
Pred. No. 2.2e+02;
                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                             2.2e+02;
                                                                                                                                                                                                                                    Length 17
                                                                                                                                                                                             Indels
                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                        in gene
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ce given in the specification a sequence that the interaction of consecutive multiplication as sequence that he sequence with after consecutive multiplication of identity due to a sequence with after coping and the sequence with the if mer sequence, a consecutive multiplication of the complement of any of them, or the chighly during the conditions, or the complement of any of them, or the chighly during the conditions, or the complement of any of them, or the chighly during the movel that the condition of the complement of the condition of sequences of the multiplication of the condition of sequences of the multiplication of the multiplication of the condition of the condition of sequences of the polyappides as are useful for condition of pharmaceuticals for prevention and/or treatment of vital conditions, specifically concer but also Alphainer's discovered and conditions, specifically concer but also Alphainer's discovered conditions, specifically concer but also Alphainer's ancience acids in confidence of the condition of the responsibility of the condition of the responsibility of the condition of the condit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
     Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
                                                                            Human K-Ras DNAzyme substrate #1199
                                                                                                                                                        21-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells
                                                                                                                                                                                                                                                                                            ABZ61087 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 6 A; 2 C; 2 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 236; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-313353/30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ofvestatic, virucide; neuroproective, mootropic, neurolaptic, gene chip, altiense; sense; tumour, cell degeneration; camoor, Alzheimer's disease schizophrenia, procein chip; gene therapy; tumour suppression; human fukutin, ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel isolated 17 mer nucleic acid sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-SEP-2001; 2001FR-0011978
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                895 TCTACCAAAGTTTA 908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCTACTAAAGTTTA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tuijnder M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.4; DB 1;
Pred. No. 2.2e+02;
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                    29-MAY-2002; 2002WO-US16840
                                                                                                                                                                                                                                                                                                 Human; ribozywe, short interfering RNA; siRNA, HBR2; K.Ras; Human; ribozywe, short interfering RNA; siRNA, HBR2; K.Ras; HTV; cytostatic; anti-HIV; anti-HIV; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acid molecule of the irrention has cytostatic, anti-HIV and anti-theomatic activity me nucleic cid makes and the setul for reducing HERZ, K-Bas, K-Bas, and HIV activity and colorectal, but cardidate are also useful for treating breat, ovarian colorectal, Nust, protecte bladder, or pancreatic cancer, and HIV infection, and AIDS, protecte bladder, or pancreatic cancer, and HIV infection, and AIDS, protecte bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences decided in ABZ5930 - ABZ5551, ABZ6553 - ABZ6
                                                                                                     05-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                          Human HER2 DNAzyme substrate #453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-MAR-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acid molecule or an enzymatic nucleic acid molecule, that modulate expression of a mucleic acid molecule amounting MERRS, KRAS, HRAS, NRAS, human immunodeficiency virus (HIV) or a component of HIV. The nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel short interfering RNA and enzymatic nucleic acid useful for
treating cancer, modulates the expression of a nucleic acid encoding
HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences
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06-JUN-2001; 2001US-296249P
10-SEP-2001; 2001US-318471P
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anti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel short interfering RNA (siRNA) nucleic
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Pred. No. 2.2e+02;
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06-JUN-2001;
10-SEP-2001;
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06-JUN-2001; 2001US-296249P
10-SEP-2001; 2001US-318471P
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WPI; 2003-140484/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Rass, N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
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                                                                                                        Mcswiggen
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9; Conserv
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Pred. No. 2.2e+02;
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Novel short interfering RNA and enzymatic nucleic acid useful for

The invention relates to enzymatic nucleic acid molecules that down regulate expression of chloride channel calcium activated 1 (CLAN) by cleaving RNA derived from the genes. The nucleic acid sequences

genes

Claim 4; Page 55; 152pp; English

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Best Local s
Matches
                                                                                                                                                                                     Bazymatic polymucleoride that down regulates expression of chloride channel calcium acrivated gene, useful for treating Chronic obstructive pulmonary disease (OOPD), chronic bronchitis and asthma
                                                                                                                                                                                                                                                                                                                                                                                    Thompson J, McSwiggen J, Grupe A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; chloride channel calcium activated 1; CLCA1; ss; antiasthmatic; antiinflammatory; chronic obstructive pulmonary disease; COPD; asthma; chronic bronchitis; vystic fibrosis; obstructive bowel syndrome; oxygen therapy; bronchodilator; corticosteroid; vaccination; mucokinetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABKS5744;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences
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                                                                                                                                                                                                                                                                                                                       WPI; 2002-217145/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SYNT ) SYNTEX USA LLC (THOM/) THOMPSON J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (RIBO-) RIBOZYME PHARM INC
(SYNT ) SYNTEX USA LLC.
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Les 9; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                    McKenzie T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred
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Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                    Ayers D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Szymkowski DE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0,
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Matches
The invention relates to enzymatic nucleic acid molecules that coan regulate appression of chloride channel calcium activated a (CLCAI) genes by cleaving RNM derived from the genes. The nucleic acid sequences are useful as pharmaceutical spents for treating conditions such as chronic obstructive pulmonary disease (COPD), chronic bronchitis, asthma, cystic fibrosis, obstructive pulmonary disease and any other diseases or conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABK55745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 6 A; 2 C; 2 G; 7 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the use of one or more therapies under conditions suitable for the treatment, for example, oxygen therapy, bronchodilators, corricosteroids, antibacterials, vaccinations, acetylcysteins and mucokinetic agents. The mucleic acids of the invention are also used as diagnostic tools to examine generic drift and mutations within diseased eclis or to detect the presence of CLCA1 RNA in a cell. This sequence represents an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              useful as pharmaceutical agents for treating conditions such as chronic obstructive pulmonary disease (CORD), chronic bonochitis, sthma, cystic fibrosis, obstructive bowel syndrome and any other diseases or conditions that are related to or will respond to the levels of CCCA1 in a cell or tissue. The sequences are useful for reducing CCA1 activity in a cell, neace, are useful for transment of a patient having a condition condition of secondation where the invention further comprises
                                                                                                                                                 Claim 4; Page 55; 152pp; English
                                                                                                                                                                                          Buzymatic polymucleoride that down regulates expression of chloride channel calcium activated gens, useful for treating Chronic obstructive pulmonary disease (COPD), chronic bronchitis and asthma
                                                                                                                                                                                                                                                                                                                         Thompson J, Grupe A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-AUG-2001; 2001WO-US24970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oxygen therapy; bronchodilator; corticosteroid; vaccination; mucokinetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antiinflammatory; chronic obstructive pulmonary disease; COPD; asthma; chronic bronchitis; cystic fibrosis; obstructive bowel syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human CLCA1 gene enzymatic nucleic acid #116.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK55745 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      enzymatic nucleic acid molecule of the invention.
                                                                                                                                                                                                                                                                                WPI; 2002-217145/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-AUG-2000; 2000US-224383P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200211674-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; chloride channel calcium activated 1; CLCA1; ss; antiasthmatic;
                                                                                                                                                                                                                                                                                                                                                                                                         (SYNT ) SYNTEX USA LLC.
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                                                                                                                                                                                                                                                                                                                                                                                          THOMPSON
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                                                                                                                                                                                                                                                                                                                                           McSwiggen J,
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                                                                                                                                                                                                                                                                                                                                           McKenzie T,
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Pred. No. 2.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                           Ayers D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 17;
                                                                                                                                                                                                                                                                                                                                           Szymkowski DE
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RESULT 206
AAX71585
ID AAX715
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                                                                                                                                                                                                                                                           Query Match
Best Local S
                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                      the use of one or more therapies under conditions suitable for the treatment, for example, oxygen therapy, bronchodilators, corticoseroids, antibacterials, vaccinations, acetylysetain and mucokinetic agents. The unclaic acids of the invention are also used as diagnostic tools to examine genetic of drift and mutations within diseased calls or to detect the presence of CuCAl NNA in a cell. This sequence represents an
                                                                       AAX71585 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                  Sequence 17
                                                                                                                                                                                                                                                                                                                                                        enzymatic nucleic acid molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      that are related to or will respond to the levels of CLCA1 in a tissue. The sequences are useful for reducing CLCA1 activity in bence, are useful for resentent of a patient having a condition associated with the level of CLCA1, where the invention further
28-JUL-1999
                                   AAX71585,
                                                                                                                                                                                                       2051 TTTGAAATAAAAAC 2064
                                                                                                                                                                    16 TITGAAATAAAATC 3
                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                     BP; 6 A; 2 C; 2 G; 7 U; 0 other;
(first entry)
                                                                                                                                                                                                                                                           0.6%;
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                                                                                                                                                                                                                                                           Score 12.4;
Pred. No. 2
                                                                                                                                                                                                                                              Mismatches
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2.2e+02;
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Human KDR VEGF receptor hammerhead ribozyme substrate #597

Vascular endothelial growth factor receptor; VEGF receptor; flt-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavege; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; ss.

sapiens.

WO9715662-A2

01-MAY-1997

25-OCT-1996; 96WO-US17480

11-JAN-1996; 26-OCT-1995; 96US-0584040 95US-0005974

(CHIR ) CHIRON CORP.
(RIBO-) RIBOZYME PHARM INC

Escobedo J, McSwiggen J, Pavco P, Stinchcomb

Ö

WPI; 1997-259017/23

Nucleix acid molecule modulating VBGF receptor(s) gene expression or mBNA ptability – useful for treating e.g. tumour agiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient

Claim 4; Page 115; 218pp; English

the synthesis, expression and/or stability of a makh encoding 1 or more receptors of vascular endothesial growth factor (MSR). A patient (preferably human) having a condition associated with the level of the fine-like typosine kinase | filt-l), kinase insert domain containing receptor (KNR) and/or footal liver kinase | filk-l) (e.g. tumour angiogenesis ocular diseases, poeriasis and hemmatoid arthetics) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AMS/715 to AMS/575 represent specific examples of mucleic acid molecules from the present from the present invention. The present invention describes nucleic acid molecules which modulate

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RESULT 207
ANG72657/c
ANG72657/c
XX
XX
AC ANG726
XX
AC AN
                                                                                                                                                                                                                        The sequences given in AA072636-55 are probes which were used to consider the best probes are probes which were used to sequence 5-6COA-3 at position 30-33 of one of the HAP-8 allele. Waints of these sequence which may also be used are given in A072656-81. These probes are used to identify the amplification considered to distinguish between HAP-8 types which are sexplogically difficult to distrimute, e.g. B85(422) B82(5), 57801. B86(15), B710710) B86, B53, B5102, B5103 and B58(17). Using this method, HAP-8 Compatibility between donors and recipients of organ transplants can be increased, thereby having a beneficial impact on success-rate of organ and bone-marrow transplants. HAP-1 typing may be used to improve our facilitate disease susceptibility studies and forements of organ transplants.
                                                                              Best
                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Polymerse chain reaction; PCR; primer; amplify; detection; HJA-B; human loukocyte antiqen; DESP; Allele; exon 2, BS-(121); BS-(15); PR01; BS-(15); PS-(15); PS-(15); PS-(15); PS-(15); PS-(15); PS-(17); PS-(15); 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17
                                                                                                                                                                 Sequence 17 BP; 2 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA typing using primers and probes enabling discrimination of HLA-B alleles \boldsymbol{\cdot} esp. where difficult to discriminate by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1994-317037/39.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 17; Page 43; 66pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  serological means
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-MAR-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            forensic investigation; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Probe S02 for distinguishing HLA-B alleles.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (INNO-) INNOGENETICS NV SA
                                                                     Y Match 0.6%;
Local Similarity 82.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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milarity 64.7%;
Conservative 3
                                              Conservative
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(first entry)
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                                                                                                                                                                 5 C; 5 G; 5 T; 0 other;
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Pred. No. 2.4e+02;
3; Mismatches 3; Indels
                                                                     Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                              Mismatches
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                                                                                                Length 17;
                                         Indels
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                                    Gaps
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AAT53528/c
ID AAT53
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                                                                                                                                                                                                                                                                                                                                                                                                                                             11-OCT-1994;
04-NOV-1994;
10-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-SEP-1994;
08-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-JUL-1994;
15-AUG-1994;
                                                                                                                                                   Grimm S,
Modak A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-SEP-1994;
23-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene expression; downregulation; interleukin-5; IL-5; ICQM-1; intercellular adhesion molecule; rel A; tumour necrosis factor; IWP-alpha; respiratory syncytial virus; RSV; bcr-abi; oncogene; translocation; chronic myslogenous leukaemia; CML; cancer; Pshladelphia chroneome; inflammation; autoimmune disease; atherosclerosis; myocardial infrarction; stroke; restenosis; transplant rejection; rheumatoid arthritis; pmoriasis; transplant rejection; chromatoid disease; septic shock; HIV; tuman immundeficiency virus; acquired immune deficiency syndrome; tuman immundeficiency or consistence of the consiste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25-MAR-2003
27-MAR-1997
Ribozymes having modified bases and methods for producing them
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-APR-1994;
07-APR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT53528;
                                                                WPI; 1995-351090/45
                                                                                                                                                                                                                        Stinchcomb DT,
                                                                                                                                                                                                                                                                                                                                                                                 28-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-APR-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rattus rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rat ICAM hammerhead ribozyme target sequence (nt. position 1503)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT53528 standard;
                                                                                                                                                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       786 GACCACTAAGATGTAGC 802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17
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                                                                                                                            Pavco P,
JD, Tracz
                                                                                                                   Karpeisky A, Kisich K,
Pavco P, Beigleman L,
JD, Tracz D, Usman N,
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                        94US-0293520
94US-0300000
94US-030039
94US-0311486
94US-0311749
94US-0314397
94US-0316771
94US-031692
94US-031692
94US-0321993
94US-0321993
94US-0338947
94US-0338608
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94US-0291932
                                                                                                                                                                                                                                                                                                                                                                                 94US-0345516
94US-0357577
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94US-0292620
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94US-0201109
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                                                                                                                                                                                                                    Chowrira B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9408-0245736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      94US-0224483
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                                                                                                                       Kisich K, Matulic-adamic J, Mcswi
igleman L, Sullivan SM, Sweedler D;
Usman N, Wincott FE, Woolf T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17
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                                                                                                                                                                                                                        Direnzo A,
                                                                                                                                                                                                                    Draper KG,
                                                                                                                                                                               Dudycz LW;
Mcswiggen JA;
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RESULT 209
AAT53446/c
ID AAT534
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Regions of the mRNA that do not form secondary folding the region and that contain potential hadmerhead and hairpin riboxyme cleavage sites were identified by computer analysis. Thioxyme cleavage sites were identified by computer analysis. Thioxyme cleavage sites were identified by computer analysis. Thioxyme cleave the region of the region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 14;
      15-AUG-1994
16-AUG-1994
17-AUG-1994
19-AUG-1994
                                                                                                                                                                                                        30-/TAN-1995;
23-7EB-1994;
29-MAR-1994;
04-APR-1994;
07-APR-1994;
15-APR-1994;
15-APR-1994;
15-APR-1994;
18-MAY-1994;
                                                                                                                       06-JUL-1994;
15-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gené expression; domergulation; inberleukin-5; [L-5; [CQM-1]; intercellular adhesion molenule; rel h, tumour necrosis factor; fiwr-alpha; respiratory synoptial virus; RNY, bur, abi, oncogene; revasiocation; ochronic myelogenous lubiamenton; carcer; philadelphia chroneome; inflammation; autoimmune disease; atheroselators; myocardia! infaction, stroke releases; atheroselators; myocardia! infaction, stroke respirators; myocardia! infaction; stroke respirators; myocardia! infaction; phosize; ympocardia! infaction; hawatoid atthritis; phosize; ympocardia! infaction (Nawasaki disease; sepile chock); myocardia! infaction (Nawasaki disease; sepile chock); myocardia!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       W09523225-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rattus rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rat ICAM hammerhead ribozyme target sequence (nt. position 564)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
27-MAR-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 7 A; 5 C; 2 G; 3 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 2; Page 202; 407pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for use
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1019 GTGGTTGGCAAAATTTC 1035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               in inhibiting disease related
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(first entry)
95US-0380734
94US-0211934
94US-0221993
94US-0222795
94US-022495
94US-022495
94US-022196
94US-021280
94US-0211280
94US-0211280
94US-021133
94US-029133
94US-029133
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Pred. No. 2.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               genes
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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RESULT 210 AAT53691/c

AAT53691 standard; RNA; 17 BP

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27-MAR-1997 25-MAR-2003

(first entry)

atheroselerosis, myosardial infarction, stroke, restanssis, transplant rejection; rheumatoid atthritis; psoriassis, myosardial ischaemia; Kawasaki disease; septic shock; HIV;

gene expression; downregulation; interleukin-5; IL-5; ICW-1; intercellular adhesion molecule; rel A, tumour necrosis fector; WFR-alpha, respiratory syncytial virus, RSV; bur-abl; oncogene; translocation; othronic mylogramus lukhaemia; OM, centoer; philadolphia chromesome; in lammation; antoimume disease; philadolphia chromesome; in lammation; antoimume disease;

Bnzymatic nucleic acid; ribozyme; trans cleavage; inhibition; Rat ICAM hammerhead ribozyme target sequence (nt. position 2176)

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B
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                                                                                                                             Query Match
Best Local Similarity
                                                              Matches 14;
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28-SBP-1994;
03-OCT-1994;
07-OCT-1994;
11-OCT-1994;
                                                                                                                                                                    meMAM at the mudlechide base position indicated in the DB line. Regions of the meMAM that do not from secondary folding structures and that contain potential hammethead and halirpin rihozymes cleavage sixtes were identified by computer analysis. Rihozymes directed against these meMAM sequences were designed and synthesized with modifications that improve their nuclease synthesized with modifications that improve their nuclease resistence. The ribozymes cleave the ICM-1 target sequences and thereby inhibit ICM-1 expression, making them useful for reducing transplant rejection and alloviating symptoms in patients with rhemmatch are furnished, sethma and other inflammatory disorders.
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Modak A,
                                                                                                                           Sequence 17 BP; 7 A; 5 C; 2 G; 3 U; 0 other;
                                                                                                                                                                                                                                                                                                                                    The present sequence represents a preferred target sequence for an enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1
                                                                                                                                                                                                                                                                                                                                                                                     Claim 2; Page 201; 407pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                   Ribozymes having modified bases and methods for producing them for use in inhibiting disease related genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1995-351090/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thompson JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-NOV-1994
16-DEC-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-NOV-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-SEP-1994;
08-SEP-1994;
                                                                                                                                                           (Updated on 25-MAR-2003 to correct PI field.)
                       1019 GTGGTTGGCAAAATTTC 1035
  17
GTGGTTGGAACATTTTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mb DY. Chowriza B. Direnzo A. Draper KG. Dudycz LW:
Karpeisky A. Kisich K., Matulic-adamic J. Mcwiggen JA;
Pavoo P. Beigleman L. Sullivan SW. Sweedler D;
JD, Tracz D, Usman N, Wincott FE, Woolf T;
                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94US-0314397.
94US-0316771.
94US-0319492.
94US-0321993.
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94US-0357577
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94US-0337608.
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                                                                          0.6%;
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                                                                          Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                              Mismatches
                                                              ω
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                                                                                          Length
                                                              Indels
                                                            0
                                                            Gaps
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17

PX C X R R R X B X B

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The present sequence represents a preferred target sequence for a many at the nucleic acid (i.e. a riboyme) which cleaves ICMM-12 many at the nucleotide base position indicated in the DR line.

Regions of the many that do not form secondary folding structures and that contain potential hammerhead and halipin riboyme cleavege sites were identified by computer analysis. Thoughes directed against these man will sequences were designed and synthesised with modifications that improve their nuclease or resistance. The riboymes cleave the ICMM-1 target sequences and thereby inhibit ICMM-1 expression, making them useful for reducing treatment with release the resistance of the riboymes of the riboymes
          Query Match 0.6%;
Best Local Similarity 82.4%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stinchcomb DT,
Grimm S, Karpe
Modak A, Pavco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.2-SEP-1994

0.8-SEP-1994

2.3-SEP-1994

2.3-SEP-1994

2.3-SEP-1994

0.3-OCT-1994

0.7-OCT-1994

0.1-OCT-1994

0.1-OCT-1994

0.1-OCT-1994

0.1-OCT-1994

0.1-OCT-1994
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29-MAR-1994;
04-APR-1994;
07-APR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-MAY-1994;
06-JUL-1994;
15-AUG-1994;
16-AUG-1994;
                                                                                                                                                         Sequence 17 BP; 7 A; 5 C; 2 G; 3 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 2; Page 203; 407pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ribozymes having modified bases and methods for for use in inhibiting disease related genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1995~351090/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-AUG-1994;
19-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W09523225-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human immunodeficiency virus; acquired immune deficiency syndrome; \operatorname{AIDS}_{\mathsf{F}} ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                              on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     b DT, Chowira B, Direnzo A, Draper KG, Dudycz LW;
Karpeisky A, Kisich K, Matulic-adamic J, Koswiggen
Pavoo P, Beigleman L, Sullivan SW, Sweetler D;
JD, Tracz D, Usman N, Wincott FE, Woolf T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94US-0314397.
94US-0316771.
94US-0319492.
94US-0321993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             94US-0303039.
94US-0311486.
94US-0311749.
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94US-0300000.
94US-0303039.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94US-0228041.
94US-0245736.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94US-0357577
94US-0363233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94US-0334847
94US-0337608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94US-0291932.
94US-0291433.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94US-0271280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94US-0224483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94US-0345516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94US-0292620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94US-0227958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94US-0222795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94US-0218934.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94US-0201109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95WO-IB00156.
          0; Mismatches
                                               Score 12.2;
Pred. No. 2
                                               2.4e+02;
                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 producing them
                                                                               Length 17;
          Indels
          0;
Gaps
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1019 GTGGTTGGCAAAATTTC 1035

Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #919

28-JUL-1999

(first entry)

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RESULT 212
AAX75391/c
ID AAX753
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AAT81648
                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                            Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents the preferred target sequence for an enzymatic nuclear early especially a harmacheed ribozyme, which cleaves the human c-myb sequence at the base position indicated in the descriptor line. The c-myb sequence was screened for optimal ribozyme target sites using a computer folding algorithm, and regions of the mBNN, which did not form secondary folding structures and contained potential ribozyme cleavage sites were identified. Ribozymes were synthesized and their activities optimised by either varying the length of the binding arms or by modification to prevent degradation by nucleases, the binding fine ribozymes claive the c-myb sequence and can be used to prevent greath muscle coli. hypozymo instation in restenosis, especially after
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enzymatic nucleic acid; hammerhead; ribozyme; cleavage; human; smooth muscle cell; hyperproliferation; restenosis; cancer; c-myb; coronary angloplasty; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT81648 standard; RNA; 17 BP
AAX75391;
                                                 AAX75391 standard;
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 6 A; 2 C; 3 G; 6 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                      coronary angioplasty, and in cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; Page 80; 128pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New enzymatic nucleic acid molecules - which e.g. c-myb, for treating restenosis or cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1996-010927/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-JAN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-MAY-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-NOV-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             W09531541~A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human c-myb hammerhead ribozyme target sequence (nt. position 3240)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-DEC-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT81648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-MAY-1994;
                                                                                                                                                                                                                            1046 ACTGGAATTTTGAGAGA 1062
                                                                                                                                                                              щ
                                                                                                                                                                                                                                                                                 Similarity
9; Conserv
                                                                                                                                                                              ACUGAACUUUUGAGAUA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jarvis T,
                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95US-0373124
94US-0245466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95WO-US06368
                                             RNA; 17
                                                                                                                                                                                                                                                                                                        52.9%;
                                                                                                                                                                                                                                                                                                                                   0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               McSwiggen
                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                        Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J, Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             which cleave RNA produced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ဌ
                                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                 Gaps
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schultz344-3.rng

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RESULT 213
AXX75191/c
ID AXX75191/c
XX
AC AXX7519
DT 28-JUL
XX
V
AC AXX751
XX
V
AC AXX751
XX
V
AC AC AXX751
XX
V
A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the synthesis, expression and/or stability of a mexh encoding 1 x more receptors of vascular endotherial growth feator (WEEP). A pution (preferably human) having a condition associated with the level of the fine-like typosine kinase I (Fit-1), kinase insert domain containing receptor (KDR) and/or footal liver kinase I (Fik-1), kinase insert domain containing angiogenesis, ocular diseases, pseriasis and inhemicol arthritish can be treated by administering the modele acid mescule of the appression of mucleic acid molecules from the present invention.
                                                                                                                                                                 Elk-1, KDR, hammerhead ribozyme, haizpin ribozyme, cleavage tumour angiogenesis, psocilari disease, fme-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                             Vascular endothelial growth factor receptor; VEGF receptor; flt-1;
                                                                                                                                                                                                                                                                                                                                                                         28-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid molecule modulating VEGF receptor(s) mRNA stability - useful for treating e.g. tumour psoriasis, rheumatoid arthritis, etc., in a human
                             W09715662-A2
                                                                                                                                            foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                             Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #719
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAX75191;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX75191 standard; RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; Page 183; 218pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1997-259017/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-JAN-1996;
26-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psortasis; rheumatoid arthritis; coular disease; fms-like tyrosine kināse 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Escobedo J, McSwiggen J, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CHIR ) CHIRON CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-0CT-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09715662-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ds sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               998 AAATCTCTTGATGAACA 1014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAGTOTOTTAATGATCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 BP; 6 A; 2 C; 3 G; 6 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96US-0584040.
95US-0005974.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96WO-US17480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 2.4
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 12.2;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stinchcomb D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene expression or angiogenesis, patient
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RESULT 214
AAX73140/c
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Best Local Similarity 82.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endochelial growth factor (WRGF). A patient (preferably human) having a condition associated with the level of the fme-like tyroshie kinase; [filt-1], kinase hissert domain containing receptor (KRR) and/or seeral liver kinase; [filk-1], de, tumour angiogenessis opular diseases, proriasis and themstold e.g. tumour be treated by administering the nucleic acid molecule or the expression vector to the patient. ANX7275 to ANX7572 represent specific examples of nucleic acid molecules from the present invention.
                                                                                                                                                                                                                                       fik-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleävage;
tumour angiogeneesis; pse niasis; rhoumatoid arthritis; ocular disease;
fms-like tyrosine kinase i; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                   Vascular endothelial growth factor receptor; VEGF receptor; flt-1;
                                                                                                                                                                                                                                                                                                               Mouse flk-1 VEGF receptor hammerhead ribozyme substrate #573
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                       (CHIR ) CHIRON CORP.

(RIBO-) RIBOZYME PHARM INC
                                                                 26-OCT-1995;
                                                                                11-JAN-1996;
                                                                                                              25-OCT-1996;
                                                                                                                                         01-MAY-1997
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                                                                                                                                                                                                                            foetal liver kinase 1; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-OCT-1995;
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(RIBO-) RIBOZYME PHARM INC
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95US-0005974
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Pred. No. 2.4e+0
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Escobedo J,

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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                  Vascular endothelial growth factor receptor; VSGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; claavage; tumour angiogenesis; psorialis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nucleic acid molecule modulating VEGF receptor(s) gene expression mRNA, stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                   mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                   Nucleic acid molecule modulating VEGF receptor(s) gene expression mRNA stability - useful for treating e.g. tumour angiogenesis,
                                                                                                                                   WPI; 1997-259017/23.
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26-OCT-1995;
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                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC
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95US-0005974
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The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or mo:

or more

Sequence 17 BP; 7 A; 2 C; 3 G; 5 U; 0 other

Claim 4; Page 140; 218pp; English

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RESULT 216
AAX71488
ID AAX71
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                            the synthesis expression and/or stability of a make encoting 1 or more receptors of vascular endotabilal growth factor (WGRP). A partiant (preferably human) having a condition associated with the level of the fame-like tycosine kinase I (IF-1), kinase i (IK-1) (e.g. tumour proport (KDR) and/or fostabling the same intert domain containing receptor (KDR) and/or fostabling the same intertained arthritis) can angliogenesis, coular diseases, psociasis and rheumatoid arthritis) can be treated by administering the nucleic acid mobetule or the expression vector to the patient. ANA/0725 to ANY5752 represent specific examples of nucleic acid mobetules.
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                                                                                                                                                                                         The present invention describes nucleic acid molecules which modulate
                                                                                                                                                                                                                             Claim 4; Page 112; 218pp; English
                                                                                                                                                                                                                                                           Nucleic acid molecule modulating VEGF receptor(s) mRNA stability - useful for treating e.g. tumour psoriasis, rheumatoid arthritis, etc., in a human
                                                                                                                                                                                                                                                                                                                                                                       Escobedo J,
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Pred. No. 2.4e+02;
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26-OCT-1995;
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(RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        653 AACAGCTTTGGACAGAG 669
                                                                             976 TGGAGATGTTGATTTTG 992
17
                                                                                                                                                                14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    liver kinase 1; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 AACAAUUUUUGACAGAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11; Conservative
                                                                                                                                                                                                          Similarity
TGGTGCTGTAGATTTTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VEGF receptor hammerhead ribozyme substrate #561
                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-0584040
95US-0005974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96WO-US17480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.6%;
                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pavco P, Stinchcomb D;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 12.2; DB 1;
Pred. No. 2.4e+02;
3; Mismatches 3
                                                                                                                                                                                                    Score 12.2; DB 1; Length 17;
Pred. No. 2.4e+02;
                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ω
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                          0
                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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Claim S; Page 71; 109pp; English
                                                                                                                                                      growth factor receptor, useful for inhibiting cell proliferation and
                                                                                                                                                                                   WPI; 1998-437449/37
                                                                                                                                                                                                      Akhtar S,
                                                                                                                                                                                                                                                   04-DEC-1997;
31-JAN-1997;
                                                                                                                                                                                                                                                                               14-JAN-1998;
                                                                                                                                                                                                                                                                                                 06-AUG-1998
                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                     Human, epidermal growth factor receptor; EGFR, EGFR, target sequence; hammerhead ribozyme; hairpin ribozyme; inhibition; cell proliferation; cancer, genetic drift; detection; mutation; ss.
                                                                                                                                                                                                                                                                                                                                                                                           Human EGF-R target sequence nucleotide position 1328
                                                                                                                                                                                                                                                                                                                                                                                                               17-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV97373 standard; RNA; 17 SP
                                                                                                                                             for treating cancers
                                                                                                                                                                 Enzymatic nucleic acids -
                                                                                                                                                                                                                                                                                                                   WO9833893-A2
                                                                                                                                                                                                                         (UYAS-) UNIV ASTON
                                                                                                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                     Fell P, McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                   97US-0985162
97US-0036476
                                                                                                                                                                                                                                                                               98WO-US00730
                                                                                                                                                                which cleave RNA derived from an epidermal
                                                                                                                                                                                                      JA.
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The present invention describes entymatic nucleic acid molecules (NMs) which specifically cleaves MR derived from an optional growth factor receptor (REF-R) cene. AM99221 to AMV86043 and AMV86979 to AM99806 represent specifically claimed target sequence from human EGF-R, AMV8046 to AMV8667 to V8978 represent hammerhad thournes and hair in the view of the condition associated with EGF colleaving EGF-R PRN. In the treatment of a condition associated with EGF expression levels e.g. to inhibit cell proliferation in the prevention or treatment of concern The NAMe can also be used as diagnostic cools to examina genetic drift and mutations within diseased cells or to detect the presence of EGF-R NAM in a cell.
                                                                                                  Sequence 17 BP; 5 A; 6 C; 1 G; 5 U; 0 other;
Length 17;
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RESULT 219
AAV30347/c
                                                                                                      Query Match
Best Local
                                                                                             Matches
AAV30347 standard; DNA; 17
                                                                       757 TATGGGTCAAGAAGTCA 773
                                                     17
                                                                                           14;
                                                                                                       Similarity
                                                   TATGTGTGAAGGAGTCA 1
                                                                                           Conservative
                                                                                                    0.6%;
                                                                                           0;
                                                                                                      Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                             Mismatches
                                                                                           Indels
                                                                                           0:
                                                                                          Gaps
                                                                                           0;
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822232328
822232328
                                 Hepatitis B virus; surface antigen; yeast; PHO5; promoter; vaccine; ss.
                                                           Oligomer p17rpst used in construction of recombinant HBsAg/ayw
                                                                                     29-SEP-1998
                                                                                                               AAV30347
                                                                                     (first entry)
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Hepatitis B virus

RESULT 218 AAV97373/c

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The Oligonuclockides AN/3034-193344 were used in the construction of a recombinant hepatitis B vitus surface antigen any coking sequence (AV2273). The recombinant sequence was no government to the passid pub220 (AV2273) and the public tentinator sequence was no government (AV2223). The continuous sequence was no government (AV2223) and the public tentinator sequence (AV2223) and the public tentinator (AV2223) and the public tentinat
                                                                                                                                                                                                                                                                                                               Humani, aryl hydrocarbon nuclear transport; ARMT, TIF-2, angiogenesis; integrin alpha 6 subunit; integrin subunit beta 3, hatrjin tribozyme; hammerhead ribozyme; angiogenic factor; cytostatic; antiddabetic, ophthalmologic; antiinflamantory, antistribritic, autispaciatic, kawp, darmatological; RNM cleavage; cancer; diabetic retinopathy, arthritis; age related macular degeneration; inflammation; neovascular glaucoma; myopic degeneration, peoriasis; yernuca vulgatis; angiofibroma;
   27-MAR-1998;
                                                   24-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA23134;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA23134 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Column 7; 11pp; Russian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Saccharomyces cerevisiae yeast strain containing it, for producing non-toxic, highly immunogenic hepatitis B vaccines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-191876/17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (KOMB=) KOMBIOTEKH STOCK CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RU2088664-C1
                                                                                                                                                             WO9950403-A
                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                   Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Integrin subunit beta 3 substrate sequence SEQ ID NO:6360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New recombinant plasmid DNA pDES 20 coding for HBsAg-ayw - and new
                                                                                                                                                                                                                                                                                           tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         807 GITGITGICCCIGCIGC 823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 GTTGTTGCCATTGCTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Budanov MV,
   9805-0079678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96RU-0101565
                                                   99WO-US06507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96RU-0101565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 A; 5 C; 4 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Drutsa VL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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RESULT 221 AAA23135/c ID AAA23

AAA23135 standard; RNA; 17

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8 Ş

Matches Query Match Best Local

Similarity

0.6%;

Score 12.2; DB 1; Pred. No. 2.4e+02; Mismatches

Length 17; Indels

0

Gaps 0;

Conservative

٥,

Homo sapiens

Human, aryl hydrocarbon nuclear transport, ARW7, TIE-2, anglogenesis, integrin alpha 6 subunit, integrin subunit beta 3) hairpin ribozyme, hammerhead ribozyme, anglogenic factor; cytostatic, antidiabetic, ophthalmologic, antilifiammatory, antiarthritic, antipsoriatic, RAW1 ophthalmologic, antilifiammatory, antiarthritic, antipsoriatic, RAW1 ophthalmologic, arthritis; are restricted by a related macular degeneration; inflammation, neovascular glaucoma, age related macular degeneration; inflammation, neovascular glaucoma,

Integrin subunit beta 3 substrate sequence SEQ ID NO:6361

19-JUN-2000 AAA23135

(first entry)

myopic degeneration; psoriasis; verruca vulgaris; angiofibroma; tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;

Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss

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The present invention describes enzymatic nucleic acid molecules with Cleaving activity, which specifically cleave BNA encoded by an aryl plycocarbon nuclear transporter (ARN) gene, an integrin alpha for transporter (ARN) gene, an integrin alpha for the place of the place and ARA1767 and ARA1761 to ARA1762 represent ribozyme sequences for ARN7. CC and ARA1768 to ARA1762 to ARA1762 to ARA1684 represent that corresponding target sequences. ARA1762 to ARA1684 represent ribozyme capanics for Tie-2, and ARA18886 to ARA1986 to ARA1986 and ARA1986 to ARA1986 to ARA1987 represent that corresponding target sequences. CC aRA1982 represent ribozyme capanics for Tie-2, and ARA18886 to ARA1986 to 
Sequence 17 BP; 2 A; 6 C; 1 G; 8 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 54; Page 264; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel ribozymes for modulating the synthesis, expression and/ox stability of an mRNA encoding an angiogenic factors {\color{black} \cdot}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (RIBO-) RIBOZYME PHARM INC
                                                                     integrin subunit alpha-6, or integrin subunit beta-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Jarvis T, Coeshott C, McSwiggen JA;
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AAV93558/c
                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         yelfocation nuclear transported (MANT) gene and integrin submit beta 3 and yelfocation nuclear transported (MANT) gene an integrin submit beta 3 and yelfocation nuclear transported (MANT) gene an integrin submit beta 3 and 10 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                             target, substrate, oatalyst, modulation; expression, Raf gene; delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psortasis; non-hepatic assites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors
                                                                                                                                                                                                                                  Human B-raf substrate nucleotide position 1679.
                                                                                                                                                                                                                                                                                                                                                                          AAV93558 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 6 C; 1 G; 8 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 54; Page 264; 305pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pavco PA, Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-OCT-1999
         W09850530-A2
                                                 Homo sapiens
                                                                                                                                                                                      Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin
                                                                                                                                                                                                                                                                                18-PEB-1999
                                                                                                                                                                                                                                                                                                                               AAV93558;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   916 AAATGAGAAAAGAGAGG 932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 AAATGAGGAAACTGAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98US-0079678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US06507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 12.2; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Coeshott C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               McSwiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,
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                                                                                                                                                                                                                              RESULT 223
AAV91167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22X8X8X8X
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02-OCT-1997;
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03-JUL-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-DEC-1997;
09-MAY-1997;
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Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme; target; substrate; catalyst; modulation; expression; Raf gene;
                                                                  Human C-raf target site nucleotide position 1589
                                                                                                                 18-FEB-1999
                                                                                                                                                                                                          AAV91167 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Karpeisky A, Kisich |
Parry T, Reynolds M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beaudry A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                   972 GTTGTGGAGATGTTGAT 988
                                                                                                                                                                                                                                                                                                                            17 GATATGGAGATGGTGAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                      0.6%;
Similarity 82.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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97US-0051718.
97US-0056808.
97US-0061321.
97US-0061324.
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97US-0046059
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Indels

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compaties of modulating a process in a biological system. The method comprises (a) introducing into the system a random library of models comprises (a) introducing into the system a random library of models card catalysts (MRC) having a substrate binding domain (SDI); comprising a random sequence, and a catalystic domain (CDI) and the comprising of the system where modulation has occurred and/or determining the sequence of at least part of the SBMs in such systems. Nucleic acid models according to the control of the state part of the SBMs in such systems. Nucleic acid mammalian cincert invention, are used to modulate gene expression in plant and mammalian complex control of the state part of the state par
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processes - especially ribozymes that cleave Raf RNA for treating 
cancer, restenosis, and also new ribozymes and modified nucleoside 
triphosphates used as antiviral agents and synthons
                                                                                                                                                                                                                                                                                          Sequence 17 BP; 5 A; 7 C; 0 G; 5 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                             modulating the expression of a Raf gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A method has been developed for the identification of a nucleic
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A, Kisich K, Watulic-Adamic J, WcSwiggen JA;
Keynolds M, Sweedler D, Thompson J, Workman CT;
                                                                 Fred.
                                                                                                                                  Score 12.2; DB 1;
Mismatches
                                                      2.4e+02;
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AAF01982
ID AAF0
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AC AAF0
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                                     AAF01982 standard; DNA; 17 BP
                                                                                                                                                                                                                                                       Sequence 17 BP; 2 A; 0 C; 7 G; 8 U; 0 other;
                                                                                                                                                                                                                                                                                         modulating the expression of a Raf gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              triphosphates used as antiviral agents and synthons
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Karpeisky A, Kisich K,
Parry T, Reynolds M, S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psortiasts; non-bepait ascites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                     Local Similarity 41.2%;
                                                                                                                                                      976 TGGAGATGTTGATTTTG 992
                                                                                                                      1 UGGAGAUUUUGGUUUGG 17
                                                                                                                                                                                         Conservative
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97US-0049002.
97US-0051718.
97US-0056808.
97US-0061321.
97US-0061324.
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C, Matulic-Adamic J, McSwiggen JA;
Sweedler D, Thompson J, Workman
                                                                                                                                                                                                     Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                    Length 17;
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AAF02395/c
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Best Local Similarity
            12-APR-1999;
                                                                                                                                                                                                                                                                   16-FEB-2001
                                                                               19-OCT-2000
                                                                                                               WO200061729-A2
                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                   AAF02395;
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                                                                                                                                                                                 interferon alpha; ss.
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11-APR-2000; 2000WO-US09721
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            molecules that act as inhibitors of the expression of repressor genes
encoding the TR2 Orphan receptor, EAR3/OUT-TF-1, the GATA
transcription factor gene, IRF-2 and/or the CAATT Displacement
                                                                                                                                                                                                                                                                                                 Ribozyme; erythropoletin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                Hammerhead ribozyme substrate #690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 4 A; 4 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein and interferon alpha.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to enzymatic and antisense nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 37; Page 62; 164pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
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Pred. No. 2.4e+02;
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Best Local S
Matches 14
             The present invention relates to enzymatic and antisense mucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TR-1, the GATN transcription factor gene, IRP-2 and/or the CANTT Displacement Project (DDP). inhibition of the repressors removes prevents Project (DDP).
                                                                                                                                Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. gramulowyte colony stimulating factor protein, interferon alpha and erythropoietin -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TaX Orphan receptor, ERAY-2 and/or the CRATT Displacement transcription factor gene, ERY-2 and/or the CRATT Displacement
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                                                                                                      Claim 37; Page 94; 164pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    interferon alpha;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hammerhead ribozyme substrate #1693.
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                                                                                                                                                                                                                         Zwick M,
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Pred. No. 2
                                                                                                                                                                                                                       McSwiggen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2.4e+02;
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RESULT 227
ABK02373/c
ID ABK023
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                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                  the production of erythropoietin, granulocyte colony stimulating factor protein and interferon alpha.
                                                                                                                                                                                                                                                                     Human NOGO Amberzyme #45
                                                                                                                                                                                                                                                                                         ABK02373;
                                                                                                                                                                                                                                                                                                   ABK02373 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 8 A; 3 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                               12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                        Local Similarity 82.4%;
                                                                                                                                                                                                                                                                                                                                        905
                                                                                                                                                                                                                                                                                                                              TTCACAATACAGAATGA 17
                                                                                                                                                                                                                                                                                                                                        TTTACAATTCAAAATGA 921
                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                             0.6%;
                                                                                                                                                                                                                                                                                                                                                        Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                  Gaps
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Human; sa; antisense therapy; cytostetic, antinflammatory; hasmostatic; cerebroprocective noctropic) nauroprocetive, antiparkinsontian; macular; CD20; naurise growth inhibitor gene; MOQO; hammerhad; chlowyme; linoyme; G-cleaver; amberzyme; grozyme; G-cleaver; amberzyme; intyme; Lyuphona; levkeemis place; levkee 16-AUG-2001 WO200159103-A2 Synthetic domo sapiens Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease

(RIBO-) (BLAT/) (MCSW/) Blatt 06-MAR-2000; (CHOW/) BLATT L. MCSWIGGEN J. RIBOZYME PHARM INC CHOWRIRA B M. McSwiggen J, 2000US-187128P Chowrira 8

11-FEB-2000; 2000US-181797P 28-FEB-2000; 2000US-185516P 09-FEB-2001; 2001WO-US04273

and central nervous system injury growth inhibitor gene useful for treating, e.g., Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite lymphoma, leukemia,

WPI; 2001-607195/69.

Claim 88; Page 131; 200pp; English

(and consequently increases expression of) genes involved in

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be arraymatic nucleic acid of a grant blowne or a DNAyme) an Indayme (an endolytic nucleic acid cleaving a an RNA molecule possessing an NCH morif), a G-cleaver (cleaving RNA with a NTM could not be possessing and could not be successful and the cleaving RNA with a RTM molecule possessing and the morify, a G-cleaver (cleaving RNA with a RTM).

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ABK0247
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Furthermore, it may be contracted with a cell to reduce CD20 activity of the cell and treat a patient having a condition of casecolated with the level of CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targeting CC nucleic acid may be used to treat lymphoma, leveland as Feell CC lymphoma, low-grade or follicular non-Hodgkin's lymphoma (NCL), CC low-grade or follicular MHL, lymphocytic letwaemia, Hy (human CMCL), CC low-grade or follicular MHL, lymphocytic letwaemia, Hy (human CMCL), CC low-grade or follicular MHL, lymphocytic letwaemia, Hy (human CMCL), CC low-grade or follicular MHL, lymphocytic lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphoma (NCL), CC low-grade or follicular MHL), lymphocytic lymphoma, lymphocytic lymphoma (NCL), CC low-grade lymphocytic lymphoma, lymphocytic lymphocytic lymphocytic lymphoma, lymphocytic lymphocy
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Best Local s
Matches 14
11-FEB-2000; 2000US-181797P
28-FEB-2000; 2000US-185516P
06-MAR-2000; 2000US-187128P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, ser antisense therapy, pyrostatic, antisflammatory, haemostatic; crebuppotective, motorogic, neuroprosective, antiphrkimsonian; crebuppotective, motorogic, neuroprosective, antiphrkimsonian; and ribosyme; mencular, CD20, neurieve growth inhibitor gene, 2000, hammatis and ribosyme; DNAxyme; incorps, G-clever, ambergue, zinryme, lymphoma; based al, B-ceil lymphoma; non-Hodgkin's lymphoma; rimtyme lymphoma; problems non-Hodgkin's lymphoma; rimtyme lymphoma; problems non-Hodgkin's lymphoma; rimtyme lymphoma; rimtyme lymphoma; rimtyme lymphoma; rimtyme lymphoma; rimtyme lymphoma; rimtyme thromborytopaenia; stroke; demetili; inflammatory arthropathy; central nervous system injury, limtyme central nervous system injury; limtyme central nervous syste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           reatment may further comprise the use of one or more therapies. In particular, the NGO-cargetting nucleic scit may be used to treat central mervous system (CMS) injury and cerebrovascular accident (V) stroke), Albeimer's disease, dementa, multiple scierosis (MS), obmentbergp'-induced neuropathy, amyotrophic lateral scierosis (MS), yakkinson's diseases, ataal, Muntiplon's disease, Creutzfalit-Jakob yakkinson's diseases, ataal, muntiplon's disease, Creutzfalit-Jakob
                                                                                                                                                                                                                                                                                               09-FEB-2001; 2001WO-US04273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NGGO expression. The present sequence is an amberzyme molecule of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS;
Parkinson's disease; ataxia; Huntington's disease;
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Pred. No. 2
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Himman, gene thorspy, tumour suppressor; HTPL, chromosome 10p12.1; human restis expressed satched like protein, testis; addrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta;

Human HTPL scanning oligonucleotide SEQ ID 1925

Gaps 0

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RESULT 229
ABV80679/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CC The invention relates to a nucleic acid molecule which down reputates expression of a CD20 gene and a nucleic acid molecule which down corresponds to a CD20 gene and a nucleic acid molecule which down credit separates accessed to the control of a co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 10; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-607195/69
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           central nervous system injury
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 12.2;
Pred. No. 2
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RESULT 230
ABS74966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Of the present invention relates to human testis expressed Patched like protein (HPL) see ANUPSS to ANUPSS and ANUPSS to Anupss and Anupss to Anup
                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel isolated human costs expressed Patched like procein (HPPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL -
                                             Human PAPP-Ba associated 17-mer SEQ ID 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-676582/73
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30-JAN-2001;
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PAP?-E; human; pregnancy associated plasma protein E; abortive;
                                                                                       24-DEC-2002
                                                                                                                                    ABS74966
                                                                                                                                                                           ABS74966 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 4 A; 2 C; 2 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               example from the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 2; Page 316; 718pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ABOM-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JAN-2001;
23-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                930 AGGATGTACTAAAAATA 946
                                                                                                                                                                                                                                                                                         17
                                                                                                                                                                                                                                                                                                                                                                             14;
                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AEOMICA INC
                                                                                                                                                                                                                                                                                         ATGATGTACAAAACATA 1
                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2001WO-US00663
2001WO-US00664
2001WO-US00665
2001WO-US00667
2001WO-US00668
2001WO-US00668
2001WO-US00668
2001WS-0364761
2001US-0327898
                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                          Score 12.2; DB 1;
Pred. No. 2.4e+02;
n: Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                    Length 17;
                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gu Y, Shannon ME;
                                      28-JAN-2002; 2002EP-0001165
                                                                                                                                                                                                               gene therapy;
                                                                                                                                                                                                                                                                                                                                                   23-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                 ABV89526;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-697817/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-AUG-2002
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                                                                                       11-SEP-2002
                                                                                                                              EP1239051-A2
                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GUYY/) GU Y.
(SHAN/) SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               831 AGATAGAAATCCAAGCT 847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGAAAGAAATCTGAGCT
                                                                                                                                                                                                                  transgenic; ss
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contraceptive; gene therapy; vaccine; pregnancy; antenatal; diagnosis;
dysgenetic pregnancy; primer; ss.
26-MAY-2000; 2000US-207456P
                                                                      06-APR-2001; 2001US-0827998
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New isolated nucleic acid encoding an isoform of human pregnancy associated plasma protein E, for preventing or aborting pregnancy

Example 2; Page 140; 353pp; English.

one of three measurements and more and account of the process of human programcy accounts of the invention have abortive and contraceptive activity and can be used for gene therapy or in a vaccine. The nucleic acid, polypeptide encoded by it, or antibody to the polypeptide can be used for gene therapy or in a vaccine. The nucleic aborting pregnancy. PAPP-E is used in the antenatal diagnosis of the level of paper. He nucleic acids are used as probes to assess the level of paper. Sistorum manh in chortonic villus samples, and the antibodies can be used to assess the appression the paper. Sistorum contents in chortonic villus samples, to diagnose dyagenetic pregnancies. The sequence expresents an oligome used in scanning the human PAPP-E genes described in the disclosure of the invention. Sequence 17 BP, 8 A; 2 C; 4 G; 3 T; 0 other; This invention describes a novel isolated nucleic acid that encodes

Conservative 82.4%; 0.6%; o, Score 12.2; DB 1; Pred. No. 2.4e+02; Mismatches Length 17 ٥, Gaps

0

17

ABV89526 standard; DNA; 17 BP

(first entry)

Human POSHL1 scanning oligonucleotide SEQ ID NO 239.

Human; POSHL 1; SH3 domain; POSH-like signalling protein 1; oncogene; Rho GTPase; signal transduction; gene expression; cancer; vaccine;

axexexexe exexexexe

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30-JAN-2001; 2001WO-US00663

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RESULT 232
ABV89528
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                                                                     EP1239051-A2
                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                      Human; POSHL 1; SH3 domain; POSH-like signalling protein 1; oncogene; Rho GTPase; signal transduction; gene expression; cancer; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to Derwent by the Buropean Patent Office.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         are useful for measuring and for surveying gene expression and creating transgenic non-human aimals capable of producing the proteins. The present sequence is that of a scanning oligonucleotide useful in examples of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human 5H3 domain (POSH)-like signalling protein 1 polypeptide, POSHI-1, useful for treating discorders associated with decreased expression or activity of human POSHI1 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABV89528 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an isolated SH3 domain (POSH)-like signalling protein 1 (POSHL 1) polypeptide (I), comprising a sequence of 730 amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 239; 60pp + Sequence Listing; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shannon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 0.6%; Score 12.2; DB 1; Local Similarity 82.4%; Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1044 GGACTGGAATTTTGAGA 1060
                                                                                                                                                                                                                                                                                                                                                                                                                    POSHL1
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                                                                                                                                                                                                                                                                                                                                                                                                                    scanning oligonucleotide SEQ ID NO 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                transgenic; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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30-2M-2001 2001MO-US00664
30-2M-2001 2001MO-US00665
30-2M-2001 2001MO-US00666
30-2M-2001 2001MO-US00666
30-2M-2001 2001MO-US00668
30-2M-2001 2001MO-US00667
30-2M-2001 2001MO-US00670
30-2M-2001 2001MO-US00670
30-2M-2001 2001MO-US00670
30-2M-2001 2001MO-US00670
                                                                                                                                                Human DORHI i is a proble-oncogene/oncogene product that functions as an adaptor protein that interacts with Rho family mmail Grases as well as dometreem components of the signal transduction pathway. (I) is useful for identifying a specific binding partner. (I) and modeic acids (II) encoding (I) are useful for diagnosing, monitoring disease and treating caused by altered expression of human poshii including diagnosing and treating canser, they useful in the development of vaccines and (II) is useful in gene thorapy. (II) is useful for constructing microarrays which are useful for measuring and for surveying gone expression and creating transgenic non-human animals capable of producing the proteins. The
                                         Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to Derwent by the Buropean Patent Office.
                                                                                                            present sequence is that of a scanning oligonucleotide useful in examples of the invention.
                                                                                                                                                                                                                                                                                                                                                                         acids (S), ABB8399), a sequence having 65% sequence identity to (S1), (S1) having 95% deviations, especially conservative substitutions or a fragment of the sequences comprising at least 8 contiguous amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to an isolated SH3 domain (POSH)-like signalling protein 1 (POSH 1) polypeptide (I), comprising a sequence of 730 amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human SH3 domain (POSH)-like signalling protein 1 polypeptide, POSHL-1, useful for treating disorders associated with decreased expression or activity of human POSHL1.
Sequence 17 BP; 6 A; 1 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2; SEQ ID NO 241; 60pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-684061/74.
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Matches 14; Conservative
                                                           Query Match
Best Local Similarity
                       1046 ACTGGAATTTTGAGAGA 1062
1 ACTGGAGTTTTGAAATA 17
                                                         0.6%;
                                              0; Mismatches
                                                         Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                   Length 17;
                                              Indels
                                              0;
                                            Gaps
                                              0
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RESULT 233
ABV89900/c
ID ABV899
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ABV89900 standard; DNA; 17 BP

ABV89900;

23-DEC-2002 (first entry)

Human POSHL1 scanning oligonucleotide SEQ ID NO 613.

\*\*\*\*\*\*\*\*\*\*\* gene therapy; transgenic; ss. Human; FOSHL 1; SH3 domain; POSH-like signalling protein 1; oncogene; Rho CTPase; signal transduction; gene expression; cancer; vaccine;

Homo sapiens

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RESULT 234
ABV89901/c
ID ABV899
XX
ABV8990
XX
AC ABV899
XY
C ABV899
XX
DT 23-DEC
XX
DEC Human
XX
Human,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             scide (S), ABB8399), a sequence having 65% sequence identity to (S1) (S1) having 93% deviations, especially conservative substitutions or a fragment of the sequences comprising at least 8 contiguous amino acide, Human ROSHL 1; is a proto-concepen-product that functions as an adaptor protein that interacts with Rho family small offesses as well as domestreen components of the signal transduction achiesy. (I) is useful for identifying a specific binding partner. (I) and muclaic acids (II) encoding (I) are useful for otdentifying a specific binding partner. (II) adding disease and treating answed by altered expression of luman postum trolled seasons and treating caused by altered expression of luman postum including diseases and treating season they useful in the development of vaccines and (II) section of the proton of the section of the constructing, increasing which section is generally and for useful for constructing, increasings which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to Derwent by the European Patent Office.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     are useful for measuring and for surveying gene expression and creating transgenic non-human animals capable of producing the process. The present sequence is that of a scanning oligonucleotide useful in examples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human SH3 domain [POSH]-like signalling protein 1 polypeptide, POSH1-1, useful for treating disorders associated with decreased expression or activity of human POSH11
                                                            Human POSHL1 scanning oligonucleotide SEQ ID NO 614.
                                                                                                                             23-DEC-2002
                                                                                                                                                                                                                                                     ABV89901 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 7 A; 4 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated SH3 domain (POSH)-like signalling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 613; 60pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-684061/74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Shannon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-JAN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EP1239051-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                             982 TGTTGATTTTGAGATTA 998
                                                                                                                                                                                                                                                                                                                                                                                                              17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (POSHL 1) polypeptide (I), comprising a sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AEOMICA
                                                                                                                                                                                                                                                                                                                                                                                                                   TGTGGATTCTGACATTA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
                                                                                                                                                                                                                                                     ВÞ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
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Human; POSHt 1; SH3 domain; POSH-like signalling protein 1; oncogene;

02-JUL-2002

(first entry)

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cached (I), Dolypeptide (I), Comprising a sequence of 700 amino (C acids (I), ABB8999), a sequence having 638 sequence of 700 amino (C (S1)) having 938 deviations, especially conservative substitutions or a CC fragment of the sequences comprising at least 8 contiguous amino acids. CC Human POSIL 1 is a proto-concepte force product that functions as an C adaptor protein that interacts with Rho family small Grpaces as well as CC downstream components of the signal transduction pathway. (I) is useful CC for identifying a specific binding partner. (I) and nucleic acids (II) ce encoding (I) are useful for diagnosing, monitoring disease and treating CC caused by altered expression of human POSILI including diagnosing and CC treating ancest, they useful in the development of vaccines and (II) is CC useful in gene therapy. (II) is useful for constructing microarrays which CC are useful for emparting and for surveying ogene expression and creating CC transgenic non-human animals capable of producing the proteins. The CC present sequence is that of a scanning oligonucleotide useful in examples CC where the accurate CC where the accurate
                                                                                                                                                                                                                                                                                                                                                                   ABK55743/c
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                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                 Query Match
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ABK55743
                                          ABK55743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human SH3 domain (POSH)-like signalling procein 1 polypeptide, 
POSH-1, useful for treating disorders associated with decreased 
expression or activity of human POSHI1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-JAN-2002; 2002EP-0001165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-SEP-2002
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                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 7 A; 4 C; 2 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                 by the European Patent Office.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to Derwent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated SH3 domain (POSH)-like signalling protein i (POSH) 1) polypeptide (I), comprising a sequence of 730 amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 2; SEQ ID NO 614; 60pp + Sequence Listing; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JAN-2001;
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                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                       981 ATGTTGATTTTGAGATT 997
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                                              standard;
                                                                                                                                                                   ATGTGGATTCTGACATT 1
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2001WO-US00667.
2001WO-US00668.
2001WO-US00669.
2001WO-US00670.
2001WO-US00670.
                                                                                                                                                                                                                                                                   Conservative
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                                          RNA;
                                                                                                                                                                                                                                                                                     82.4%;
                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                        Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                     2.4e+02;
                                                                                                                                                                                                                                                                                                          Length 17;
                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                Gaps
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Page 118

Human

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antiinflammatory; chronic obstructive pulmonary disease; COPD; asthma; chronic bronchitis; cystic fibrosis; obstructive bowel syndrome; oxygen therapy; bronchodilator; corticosteroid; vaccination; mucokinetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      acetylcysteine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; chloride channel calcium activated 1; CLCAl; 80; antiasthmatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLCA1 gene enzymatic nucleic acid #114
Human; chloride channel calcium activated ; CLCA; se; antiasthmatic; antiinflammatory; chronic obstructive pulmonary diseases (DPD) asthma; chronic bronchitis; vystic fibrosis; obstructive bowel syndrome; oxygen therapy; bronchodilator; corticosteroid; vaccination; mucokinetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200211674-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acetylcysteine.
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09-AUG-2000; 2000US-224383P
                                                09-AUG-2001; 2001WO-US24970
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14-FEB-2002

WO200211674-A2

(/MOHT) (RIBO-) THOMPSON J. RIBOZYME PHARM INC SYNTEX USA LLC

Thompson J, McSwiggen J, Grupe A; McKenzie T, Ayers D, Szymkowski DE

WPI; 2002-217145/27

Enzymatic polynucleotide that down regulates expression of chloride channel calcium activated gene, useful for treating Chronic obstructive pulmonary disease (COPD), chronic bronchitis and asthma

Claim 4; Page 55; 152pp; English

obstructive pulmonary disease (OOPP), chronic brounhitis, asthma, cystic fibrosis, obstructive bowel syndrome and any other diseases or conditions that are related to or will respond to the levels of CLCA1 in a cell or tissue. The sequences are useful for reducing CLA1 activity in a cell, hence, are useful for treatment of a pattent having a condition associated with the level of CLCA1, where the invention further comprises the use of one or more therapies under conditions suitable for the reatment, (or example, owgen therapy, brombodializors, corticosteroids. antihacterials, vaccinations, acetyloysteine and mucokinetic agents. The nucleic acids of the invention are also used as diagnostic tools to examine genetic drift and mutations within diseased cells or to detect the presence of CLOAI RNA in a cell. This sequence represents an enaphatic nucleic acid molecule of the invention. The invention relates to enzymatic nucleic acid molecules that down regulate expression of ciloride channel calcium activated 1 (CLCA1) genes by clearing RNA derived from the genes. The nucleic acid sequences are useful as pharmaceutical agents for treating conditions such as chronic

Sequence 17 BP; 6 A; 2 C; 2 G; 7 U; 0 other;

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Query Match
Best Local (
           Local Similarity
  Conservative
          0.6%;
  0; Mismatches
        Score 12.2;
Pred. No. 2.
          .4e+02;
                  DB 1;
                 Length 17
  Indels
 0;
Gaps
 0
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밁 õ 990

## RESULT 236 ABK56206/c ID ABK562

02-JUL-2002 (first entry)

Human CLCA1 gene enzymatic nucleic acid #577

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          ABK56206;
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ABK56206 standard; RNA; 17 BP
                                                                                                17
                                                                                             TTGAAATAAAATCGCTT 1
                                                                                                                                TIGAGATTAAATCTCTT 1006
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(RIBO-) RIBOZYME PHARM INC (SYNT ) SYNTEX USA LLC. (THOM/) THOMPSON J. 09-AUG-2000; 2000US-224383P 09-AUG-2001; 2001WO-US24970 14-FEB-2002

Thompson J, McSwiggen J, McKenzie T,

Grupe A; Ayers D, Szymkowski DE

WPI; 2002-217145/27

Enzymatic polymucleotide that down regulates expression of chioride Enzymatic polymucleotide gene, useful for treating Chronic obstructive pulmonary disease (COPD), chronic bronchitis and asthma

Claim 4; Page 64; 152pp; English.

useful as pharmaceutical agents for treating conditions such as chronic obstructive pulmonary disease (CORP), chronic benchitis, sethma, cystic fibrosis, obstructive bowel syndrome and any other diseases or conditions that are related to or will respond to the levels of CLCA1 in a cell or tissue. The sequences are useful for reducing CLCA1 activity in a cell, hence, are useful for treatment of patient havening a condition further comprises associated with the level of CLCA1, where the invention further comprises the uses of one or more therapy, bronchodilators, corticosseroids, antisateriall, vectimations, acetyloyseins and macokinetic agents. The marchial of the invention are also used, as diagnosit to tools to examine genetic drift and mutations within diseased cells or to detect the presence of CLCA1 RNA in a cell. This sequence represents an enzymatic nucleic acid molecule of the invention. The invention relates to enzymatic nucleaks acid molecules that down regulate expression of chloride channel calcium activated 1 (CLCA1) go by cleaving RNA derived from the genes. The nucleic acid sequences are

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                                                                     S
          ABN02298/c
                                                                                            Matches
                                                                                                                 Query Match
ABN02298 standard; DNA; 17
                                                                                                      Local
                                                                       887 CACCCATGTCTACCAAA 903
                                                    17 CATCCATTTGTACCAAA 1
                                                                                              14;
                                                                                                      Similarity
                                                                                              Conservative
                                                                                                    82.4%;
                                                                                                                 0.6%;
                                                                                            0
                                                                                                      Score 12.2; DB 1;
Pred. No. 2.4e+02;
                                                                                              Mismatches
                                                                                                                 DB 1; Length 17;
                                                                                            0
                                                                                            Gaps
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Sequence 17 BP; 5 A; 1 C; 5 G; 6 U; 0 other;

ABN02298;

29-MAY-2002 (first entry)

Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2290.

WWWXBX7X6XB Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle, myosin; Chromosome 22; gene therapy, vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

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g
                           S
                                                                                                                         substrates to provide initial substrates for the recombinant engineering of findMMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGMMLP-1 proteins or polypeptides may be used as immunogans to raise antibodies that specifically recognise CMSMMLP-1 proteins, as setandards in assays used to determine the concentration and/or amount specifically of hGMMLP proteins, as specific CC biomolecule capture probes for surface-enhanced laser description instation, as therapeutic supplement in patients having specific CC deficiency in hGMMLP-1 production, and in vaccines or for replacement therapy. The polymuclectide sequences encoding hGMMLP-1 may be used for CC diagnosing a disorder associated with the expression of hGMMLP-1, in formation of the hGMMLP-1 sequence in the exemplification of the present concentration of the hGMMLP-1 sequence.
                                                           Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-SEP-2000 2000US-23468799
27-SEP-2000 2000US-2345599
04-CCT-2000 2000US-2345599
04-CCT-2000 2000US-0345599
04-CCT-2000 2000US-0345599
04-CCT-2000 2000E-0024253
30-JAN-2001 2001WO-US00663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006663
30-JAN-2001 2001WO-US006669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polypeptide, for raising antibodies that recognize hDMLF-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser description ionization, comprises human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    G
                                                                                                                         Sequence 17
                                                                                                                                                                       N.B. The sequence data for this patent did not form specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                     HIGHLE-1 can be used in gene therapy and vaccine production. The homele-1 can be used as probes to detect, characteries and quantify homele-1 nucleic acids in samples, as amplification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID 2290; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     myosin-like protein hGDMLP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-MAY-2000;
21-SEP-2000;
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                                                                                                                                                                                                        invention.
                                                                                                                                                   ftp.wipo.int/pub/published_pct_sequence.
                             715 CTGTGGGCCATCTAGAC 731
                                                              14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ji
                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (hGDMLP-1).
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CTGTGGGCCATGGACAC 1
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                                                                                                                         BP; 3 A; 6 C; 5 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention describes a human
                                                              Conservative
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                                                                         0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The protein and polynucleotide sequences of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hanzel
                                                           0;
                                                                           Score 12.2; DB 1;
Pred. No. 2.4e+02;
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                                                              Mismatches
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                                                           1.4e+02;
1es 3;
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                                                                                       Length 17;
                                                           Indels
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t directly from WIPO
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J. ×

Penn ŝ Hanzel

尺 Rank 뮸 Chen Ę

Shannon ME

WPI: 2002-179446/23

Disclosure; SEQ ID 2291; 214pp; English myosin-like protein hGDMLP-1

New polymeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific bimolecule capture probes (or surface-enhanced laser desorption ionization, comprises human

in the present invention describes a human genome-derived movel; like CC protein 1 (hoMMLP-1) The protein and polymorlectide sequences of hoMMLP-1 can be used in gene therapy and vaccine production. The combined protein is a protein and polymorlectide sequences of the hoMMLP-1 can be used in gene therapy and vaccine production. The combined control of the homeless of the combined control of the homeless control of the combined control of the homeless control of the control of

invention.

N.B. 'The sequence data for this patent did not form part of the printed N.B. 'The section, but was obtained in electronic format directly from WIFO

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RESULT 238
ABN02299/c
ID ABN02299 standard; DNA; 17 BP
                                                                                                                             30 JAN 2001 2001W0 US00661
30 JAN 2001 2001W0 US00662
30 JAN 2001 2001W0 US00663
30 JAN 2001 2001W0 US00663
30 JAN 2001 2001W0 US00668
30 JAN 2001 2001W0 US00668
30 JAN 2001 2001W0 US00667
                                                                   30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
(AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                           04-OCT-2000;
                                                                                                                                                                                                                                                                                                              27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                        21-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                           26-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                        25-MAY-2001; 2001WO-US16981.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; genome-derived myosin-like protein 1; GDMLP-1; hGPMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human GDMLP-1 17-mer scanning
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                                             ; 2001WO-US00668,
; 2001WO-US00669,
; 2001WO-US00670,
; 2001US-266860P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry
                                                                                                                                                                                                                                                                                           2000GB-0024263.
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                                                                                                                                                                                                                                                                                                                                                              2000US-207456P
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R85ULT 229
ABNO7200
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AC ABNO72
XX
AC ABCOM
XX
AC A
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Best Local Similarity 82.4
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-SEP-2000, 2000US-234687P

27-SEP-2000, 2000US-23455P

04-CCT-2000, 2000ES-03455P

04-CCT-2000, 2000ES-03455P

04-CCT-2000, 2000ES-03455P

04-CCT-2000, 2000ES-034500661

30-JAN-2001, 2001WO-US00663

30-JAN-2001, 2001WO-US00666

30-JAN-2001, 2001WO-US00666

30-JAN-2001, 2001WO-US00666

30-JAN-2001, 2001WO-US00666

30-JAN-2001, 2001WO-US00669

30-JAN-2001, 2001WO-US00669

30-JAN-2001, 2001WO-US00669

30-JAN-2001, 2001WO-US00669
The present invention describes a human genome-derived myosin-like protein 1 (hoghur-1). The protein and polymuclacutide sequences of hoghur-1 can be used in gene therapy and vaccine production. The hoghur-1 models acids can be used as probes to detect, characterise and quantity hoghur-1 models acids and specially active to the control of the protein variants having desired phenotypic improvements, and for expressing the protein are the hopfur-1 protein protein control of the proteins. The hopfur-1 protein protein protein control of the proteins 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New polypeptide, for raising antibodies that recognize hgDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser descoption ionization, comprises human myosin-like protein hGDMLP-1 -
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(GLAX ) GLAXO GROUP LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a human genome-derived myosin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ftp.wipo.int/pub/published_pct_sequence
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Similarity 82.4%;
             Von Carlowitz I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   leukaemia; osteoporosis; DNAzyme; inozyme;
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      McSwiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No.
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      Mclaughlin F,
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ID ABL314
RESULT 242
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Matches Query Match

14;

Local Similarity

Score 12.2; DB 1; Pred. No. 2.4e+02; Mismatches 2; L. 2.4e+02; 3;

Length 17 Indels

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Gaps

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984 TIGATTITGAGATIAAA 1000

TTGTTTTTGATATGAAA 1 Conservative 0.6%; 0

01-JUN-2000; 2000JP-0164798

01~JUN-2001; 2001WO-JP04662

WO200192572-A1 Homo sapiens Human; human leukocyte antigen; HLA; genotype; polymorphism; immunogenetic; transplantation; genetic disease; ss. Human HLA genotyping oligonucleotide SEQ ID NO 923 21-MAR-2002 (first entry)

ABL31434;

ABL31434 standard; DNA, 17 BP

(NISN ) NISSHINBO IND INC (SYST-) SYSTEM RES INC.

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by contacting cells of the patient with (1) under conditions suitable for the treatment. The method comprises the use of one or more therepies under conditions suitable for the treatment. Leukeeris or tumour andiogenasts is treated by administering (1) to the patient under conditution with one or more of other therapies such as addition or chemotherapy treatment (1) is sueful for reducing ERR activity in a ERR gene, by contacting the cell with (II). (1) is sueful for cleaving ERR activation and diseases related to the spression of ERR, and as diagnostic tool to examine generic drift and mutation within diseased disposation to the patient of the presence of ERR ERR is a cell. (1) is sueful for openitions and diseased solved to the spression of ERR, and as diagnostic for particular to the presence of ERR ERR is a cell. (1) is sueful for openitional genes when the same that share homology with ERR of the patient of ERR (siston genes to the presence of the same to the presence of ERR ERR is a cell. (1) is sueful for openitional genes.
Sequence 17 BP; 9 A; 3 C; 0 G; 5 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  neovascular glaucoma, myopic degeneration, arthritis, peoriasis, verue wulgaris, amgiofibroma of tuberous sciencist, port-wine stains. Sturge Weber syndrome, Kippel-Tremaumay Weber syndrome, Osler-Weber-rendu syndrome, lokkemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition, associated with the level of ERG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel polymucleotide which down regulates expression of Ecs-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weberr
                                                     ARK/1736-ABK22719 represent nucleic acids, including antisense and enzymatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tumour angiogenesis, diabetic retinopathy, macular degeneration,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a nucleic acid molecule (1) which down regulates expression of an Ets-related gene (ERG). (1) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 64; 149pp; English
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Inoko

Kagiya T,

Ichihara T,

Matsumura Y, Moriya S,

Nishida M

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RESULT 243
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Best Local S
Matches 14
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                                                                         Disclosure; Page 253;
                                                                                                                                           New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related
                                                                                                                                                                                                                        WPI; 2003-313353/30
                                                                                                                                                                                                                                                                     Telerman A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tumour suppression related human fukutin oligo SEQ ID No 1886
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 5 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a typing kit for judging human leukoryte antigen (HLA) genotype of a sample by hybridising a substrate on which 10-24 base oligonucleotides (ABL)3512-ABL31809) originating in the sequences of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 10; Page 268; 345pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              transplanting between them -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-122074/16
                                                                                                                                                                                                                                                                                                                                                                                                                 17-SEP-2002; 2002WO-IB04208
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                                                                                                                                                                                                                                                                                                                  (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        785 AGACCACTAAGATGTAG 801
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                                                                                                                                                                                                                                                                     Amson R,
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                                                                                                                      antibodies and transfected cells
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                                                                     720pp; French
                                                                                                                                                                                                                                                                     Tuijnder M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ВP
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Pred. No. 2.4e+02;
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Best Local :
                                                              The invention relates to a novel isolated 17 mer nucleic acid sequence,
                                                                                                        Disclosure; Page 607; 720pp; French.
                                                                                                                                                                                                                                                           WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                        Telerman A,
                                                                                                                                                                                                                                                                                                                                                                                                      17-SEP-2001; 2001FR-0011978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-SEP-2002; 2002WO-IB04208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                         (MOLE-) MOLECULAR ENGINES LAB.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15

given in the specification, a sequence containing at least extensions consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a

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New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumour suppression related human fukutin oligo SEQ ID No
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Pred. No. 2.4e+02;
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ce sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel careful as probes and primers of redetecting identifying quantifying are useful as probes and primers or detecting identifying quantifying and a statistic ending certain of the model acid, ce.g. as one component of a gene chip, in vitro as (anti)sense reagents, or and for production of recombinant polypeptides. May of the muclaic acids, ce polypeptides, vectors containing the muclaic acids, cells containing the certor or antibodise directed against the polypeptides are useful for prevention and/or treatment of viral containing that the characteristic properson of the containing the certor or attaining a specifically cancer but also Alzhaimar's disease and degeneration, specifically contained to tunours or cell contained the samples is useful for diagnosts and/or prognosts of these contained and the polypeptides can also be useful as components of process of the sease. The polypeptides can also be useful as components of process of the sease. The mucleic acids in the subject of the contained the contained the polypeptide and antibodies are serful as components of process of the sease. The mucleic acids in the serful as components of process of the sease of the sease of the sease of the season of the s
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Best Local S
Matches 14
The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      O'Crostaticy virucide; neuroprocective; nootropic; neurolaptic; gene chip; antisense; sense; tumour; cell degeneration; cener; Alzheiger e disease; schizophrenia; procein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                      Disclosure; Page 622; 720pp; French
                                                                                                                                                                                                                                                                                      polypeptides, antibodies and transfected cells
                                                                                                                                                                                                                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related
                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-313353/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Telerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-SEP-2001; 2001FR-0011978
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABT39393;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABT39393 standard; DNA; 17
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Pred. No. 2.4e+02;
0; Mismatches 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ce isolated municic acids of the invention are useful as probes and primers of detecting, identifying, quantifying and/or emplifying a nucleic acid, e.g., as one component of a gine chip, in vitro as (antifying a cessente, and or production of recombinant polypepides. Any of the nucleic acids, cells, eventually the containing the nucleic acids, cells containing the vector or antibodies directed against the polypepides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral cities are that are characterised by development of tunours or cell cases that are characterised by development of tunours or cell containing the containing the preparation, specifically cancer but also Alheimer's disease and cells of the propersion of the 17 mer nucleic acids in containing the subjumples is useful for disponsis and/or proposis of these chicages. The polypepides can also be used to generate antibodies, and could be appressed to the invention can be used in gene characterial subjumples in the containing the containing the containing the containing the subjumples is useful for disponsis and/or proposis of these chicages. The polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful as components of protein containing the polypepide and antibodies are useful for t
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                                                                                                                                                                                                                                       Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAY-2001; 2001US-294140P
06-JUN-2001; 2001US-296249P
10-SEP-2001; 2001US-318471P
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                                                                                                                                                                                          Claim 58; Page 123; 185pp; English.
                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-140484/13
                                                                                                                                                                                                                                                                                                                                                                                                        Mcswiggen J
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; ribozywae, short interfering RNA; stRNA; HBR2; K.Ras; enzymatic nucleic acid; H.Ras; N.Ras; HIV; cytostatic; anti-HIV; anti-Heumatic; cancer; AIDS; ss:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human H-Ras DNAzyme target #637.
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Similarity 82.4%;
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Pred. No. 2.4e+02;
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HERZ, KRAS, HRAS, N-RAS, N-MMRA immunodeficiency virus (HIV) or a component of HIV. The nucleic human immunodeficiency virus (HIV) or a component of HIV. The nucleic

anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and

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                                                                                                                                                                                                                                                                  This invention describes novel oligonucleotide primers or peptide nucleic acid (PNN) oligoners for detacting single nucleicide primershams (SNP) and cyrosine methylation status in chemically pretracted genomic NN. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metholic disorders. The oligonars are also used for decentiar and metholic disorders. The nilponars are also used for decentiar and metholic disorders. Onligonars are also used for disorders and restanciar distorbation.

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                                                                                                                                                                                         Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID 272660; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide primer SEQ ID NO 272660 for detecting SNP TSC0002893
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            915 AAAATGAGAAAA 926
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                                                                                              Score 12; DB 1;
Pred. No. 1.4e+
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Pred. No. 2.4e+02;
                                                                         Mismatches
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                                                                                                   1.4e+02;
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Oligonucleotide primer SEQ ID NO 280016 for detecting SNP TSC0008045
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                            06-APR-2001; 2001WO-IB00713
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Claim 1; SEQ ID 284854; 29pp + Sequence Listing; German
                                                        Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
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NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic form part of the printed specification, but was obtained in electronic formatt from MIPD at
              This invention describes movel obigonuclocide primary or peptide and city (DNA) oligonary for detecting single and cattle polymorhisms (SNB) and cytosine derbylation status in chemically pretracts genomic DNA. The oligonary control of the control
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ftp.wipo.int/pub/published_pct_sequences.
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                                                                                                                                              This invention describes novel oligonucleotide primare or peptide nucleic scid (RNA) oligoners for detecting single nucleotide polymorphisms (SNB) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for disgnosis and/or proposels of cancers and a range of diseases including immune system, gastroinestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ARCOOLIO-ARCO93989, ARCOOLIO-ARCO93989, ARCOOLIO-ARCO93989 and ARCOOLIO-ARCO93989, PROPER CONTROLLAND ARCOOLIO-ARCONIO REPOSANT SEPECEAN CONTROLLAND ARCONIO REPOSANT SEPECEAN CONT
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                                                                                                      Sequence 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 designed to detect single nucleotide polymorphisms and cytosine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-APR-2000; 2000DE-1019173
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   Conservative
                                                                                                          BP; 4 A; 0 C; 2 G; 6 T; 0 other;
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100.0%; Pred. No. 1.4e+0
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100.0%; Pred. No. 1.4e+02;
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Best Local
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                                          SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                          Oligonucleotide primer SEQ ID NO 318391 for detecting
                                                                                                                                                              22-FEB-2002
                                                                                                                                                                                                                                               ABI18418 standard; DNA; 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-APR-2000; 2000DE-1019173
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                         nervous system; gastrointestinal; respiratory; immune; metabolic
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100.0%; Pred. No. 1.4e+02;
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                                          EPIGENOMICS AG
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designed to detect single nucleotide polymorphisms and cytosine methylation status
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleatide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of concer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metholic discorders The control of sorders are also used for detecting cell type differentiation.

METHOLOGIC ABSTROTT represent the oligomers described in the invention.

METHOLOGIC ABSTROTT represent this patent did not form part of the printed specification, but was obtained in electronic form part of the printed specification, but was obtained in electronic format from MIDO at ftp.wipo.int/pub/published\_pct\_sequences.

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      Score 12;
Pred. No.
 Mismatches
      DB 1; L
0, 1.4e+02;
0
             Length 12;
Indels
0,
Gaps
0;
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Oligonucleotide primer SEQ ID NO 319201 for detecting SNP TSC0029114.

SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular; primer; segionitral hervous system; gestroincestinal; respiratory; lamuna; mecabolic.

Olek A, Piepenbrock C, Berlin K;

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RESULT 257
ABI19662
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                                                                                                                                                                                                                                                                    Olek A,
                                                                                                                                                                                                                                                                                                                                                     07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleotide acid; cytosine methylation; cardiovascular; primer; s; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                  Claim 1, SEQ ID 319635; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                           06-APR-2001; 2001WO-IB00713
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide primer SEQ ID NO 319635 for detecting SNP TSC0029334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 319201; 29pp + Sequence Listing; German
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                                                                                                                                               metnylation status -
                                                                                                                                                                 Set of oligonucleotides, useful for diagnosis and cell designed to detect single nucleotide polymorphisms and
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Query Match Best Local Similarity

100.0%; 0.6%;

Score 12; Pred. No.

Length 12;

Sequence

12

BP; 5 A;

2 C; 0

G; 5 T;

0 other; DB 1; I

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Best Local
                                                                                                                                                                                                                                            This invention describes proval oliconvolectide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cyrosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gentrolinestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. Baccontol-MECOSOS ABROROLO ABROSSOS, ABRORDA ABRORD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders: The oligomers are also used for detecting cell type differentiation. BECOMOIO-BEC
                                                                                                               ABIOO010-MB182073 represent the oligoners described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 324862; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-APR-2001; 2001WO-IB00713
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-657177/75
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Pred. No. 1.4e+
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ABI27970/c
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Clusters are also used for descenting the differentiation.

MENUROLLABSESSIS, ABPROND-LABSESSIS, MENODID-LABSESSIS and threinion.

MENUROLLABSESSIS ABPROND-LABSESSIS, MENODID-LABSESSIS and perit of the printed specification, but was obtained in electronic format from NITO at
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                            ABI30130
                                                                      ABI30130 standard; DNA; 12
                                                                                                                                                                                                                                                                                                                                                       Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 327943; 29pp + Sequence Listing; German.
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Best Local Similarity
                                                                                                                      SNP, single nucleotide polymorphism; human; diagnosis; PNA, cancer; CNS; peptide nucleotide polymorphism; human; diagnosis; PNA, cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular; primer; sg. central nervous system; gastrointestinal; respiratory; lmmune; metabolic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID 330103; 29pp + Sequence Listing; German.
18-OCT-2001
                                         WO200177384-A2
                                                                                   Homo sapiens
                                                                                                                                                                                                                Oligonucleotide primer SEQ ID NO 334074 for detecting SNP TSC0037931.
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central nervous system; gastrointestinal; respiratory; immune; metabolic.
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ABCRONIO.ABCRORPS JERONIO.ABCRORPS, ABURDOID.ABRESPRENT
ABCRONIO.ABRESPRENT THE SIXOMERS described in the invention
NOTS: The sequence dictofor this patent did not form part of the printed
specification, but was obtained in electronic format from MIPO at
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Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
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Matches
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ABCOUNTO-ABCE99399, ABFRONIO-ABF99999, ABHONIO-ABBE99999 and ABCOUNTO-ABLE9937 represent the oligomers described in the invention.

MYDE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from HYD at
                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                              Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 other;
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Oligonucleotide primer SEQ ID NO 354141 for detecting SNP TSC0048928.

SRP; single nucleotide polymorphism; human; diagnosis, PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal, respiratory; immune; metabolic Homo sapiens.

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W020177384-A2.
18-0CT-2001.
06-APR-2001; 2001W0-IB00713.
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07-ARR-2000; 2000DE-1019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.

Set of Oligonucleotides, useful for diagnosis and cell typing is designed to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 354141; 29pp + Sequence Listing; German.

This invention describes movel oligomalectide primers or poptide nucleated acid (PNA) cligomary be detected a single nucleated by marriages (NA) and cytosise separate on setura a single allulations of the provided by the setup of the setup

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                                                                                                                                                                                                                 This invention describes novel oligonuclocide primers or peptide nucleic acid (BNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or progness of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central mervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABIO0010-ABISO939 ABF00010-ABISO9399, ABF00010-ABISO9399 and ABIO0010-ABISO9373 represent the oligomers described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at fit, wipo.int/pub/published_pot_sequences.
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                                                                                                                                                                                 Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 361715; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oligonucleotide primer SEQ ID NO 361715 for detecting SNP TSC0052786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-FEB-2002
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                                                                                                                   Local Similarity
                                                   828 AGGAGATAGAAA 839
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         AGGAGATAGAAA 12
                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                100.0%;
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                                                                                                                0.6%; Score 12; DB 1;
100.0%; Pred. No. 1.4e+(
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Pred. No.
                                                                                             Mismatches
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thes 0;
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ABI81677/c
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ABI72654
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Best Local Similarity
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
                                         Oligonucleotide primer SEQ ID NO 381650 for detecting SNP TSC0004677.
                                                                                                                                    ABI81677
                                                                                                                                                                          ABI81677 standard; DNA; 12
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                                                                                      22-REB-2002
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designed to detect singl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Olek A, Piepenbrock C,
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleicide polymorphisms (NPP) and cytopine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for disgonate and/or prognosis of concer and a range of diseases including immune system, gentral privous system, cardiovascollar and metabolic disorders. The central privous system, cardiovascollar and metabolic disorders. The central privous system, cardiovascollar and metabolic disorders. The central privous system, absolute and metabolic disorders. The account of the central privous system accounts are used to type discount system. Associate account the oligonates described in the invention.
                                                                                                                                                                         Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 other;
                                                                                                                                                                                                                                           NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID 372627; 29pp + Sequence Listing; German.
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Pred. No.
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      Mismatches
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1.4e+02;
hes 0;
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RESULT 267
ABC04190
ID ABC041
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MICHORAL PROGNOSS, ABROONLABES9999, ABROONLABES9999, ABROONLABES999, ABROONLABES999, COMPARISON ABROONLABES999, CO
                 07-APR-2000; 2000DE-1019173
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                                               06-APR-2001; 2001WO-IB00713
                                                                                     18-OCT-2001
                                                                                                                   WO200177384-A2
                                                                                                                                                                                 SNP, single nucleotide polymorphism, human diagnosis; PNA; cancer, CNS; peptide nucleot acid, cytosine methylation, cardiovascular; primer; sg central nervous system; gastrointestinal, respiratory; immune; metabolic
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ABC04191/c
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                                                                                                                               WPI; 2001-657177/75
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This invention describes novel oligonucleotide primera or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (NNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastroinestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABC00010-ABC99989, ABC00100-ABC99989, ABC00010-ABC99989, ABC00100-ABC99989, ABC00100-ABC999989, ABC001
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0 C; 1 G; 7 T; 0 other;
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Length 13;

Conservative 100.0%; 0 Score 12; DB 1; Pred. No. 1.7e+( Mismatches 1.7e+02; hes 0; Indels 0; Gaps

0

ABC04191 standard; DNA; 13 gg

Oligonucleotide SEQ ID NO 4182 for detecting SNP TSC0001555

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

06-APR-2001; 2001WO-IB00713

Berlin

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Set of oligomuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status . useful for diagnosis and cell typing, is

Claim 1; SEQ ID 4182; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic

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                                                                                         This invention describes novel oliconucleotide primary or peptide nucleic acid (DNA) oligomers for detacting single nucleatide polymorphisms (Na) and cytochine mathylation status in chamically pretracted gamma DNA. The oligomucleotides are used for disposes and/or progness of cancer and a central nervous system, outdoors, and the about of disposes. The central nervous system conditions and the about of disposes. The central nervous system conditions and the about of disposes. The coligomers are also used for detecting all metabolic disposes, and not considered the prince of the progness of the coligomers described in the arvention. MOTES, The sequence data obtained in electronic format from 100 ac
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RESULT 271 ABC64758

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Query Match Best Local Similarity Matches

Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 other;

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This invention describes novel objounce ordered primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (NMP) and cycosine methylation status in chemically pretracted genomic DNA. The oligomers for described and/or prognosis of concer and a range of diseases including immune system, gestrointestinal, respiratory, comittal nervous system, cardiovasceniar and metabolic disorders: The oligomers are also used for describing call type differentiation.

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Claim 1; SEQ ID 59596; 29pp + Sequence Listing; German
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                                                                         SNP; single nucleotide polymorphism; human; diagnosis; pNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointostinal; respiratory; immune; metabolic
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                                                                                                                                        07-APR-2000; 2000DE-1019173
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                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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                                         Piepenbrock C,
                                                                                          EPIGENOMICS AG
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                                             Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     useful for diagnosis and cell typing, is
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Pred. No. 1.7e+02;
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Length 13 Indels

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Homo sapiens

WPI; 2001-657177/75

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ABC67093/c
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Matches 12
This invention describes novel oligonucleotide primers or peptide muclatic acid (PNA) oligonors for detecting single nucleotide polymorphisms (SNP) and cycosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosts and/or prognosts of camoer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, acativate and metabolic discorders. The
                                                                                                                                                                                                                                                                       were or originate offices, useful for diagnosis and cell typing, is designed to detect single nuclectide polymorphisms and cytosine methylation status
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1014cmers are also used for describing the type differentiation.

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1014cmers are also used for described in the invention.

1015cm are sequence data four this patent did not form part of the printed specification, but the state of the printed specification.
                                                                                                                                                                                                                     Claim 1; SEQ ID 67110; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 67110 for detecting SNP TSC0017577.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EPIGENOMICS AG
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Pred. No. 1.7e+(
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                                                                                                                                                                                                                              range of diseases including immune system, gastrooniestinal, respiratory, central nervous system, conditional consolid disorders fine chilgomers are also used for decerting cell type differentiation.

ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCOROU-ABC9999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC9999, ABCORD-ABC99999, ABCORD-ABC9999, ABC
                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cyrosaine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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ABCOOID-ABC9999. ABCOOID-ABC9999. ABHOOID-ABC9999 and MIDDIO-ABC9999. ABCOOID-ABC9999. ABHOOID-ABC9999.
MIGHOUL-ABC999. ABCOOID-ABC9999. ABHOOID-ABC999.
MIGHT The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at
                                                                                                                                            Sequence 13 BP; 2 A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Piepenbrock C,
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                      Conservative
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                      Mismatches
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                  1.7e+02;
hes 0;
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RESULT 277
ABC82886/c
ID ABC828
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AC ABC828
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ABC68825/c
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10 ilgonors are also used for detecting call type differentiation.

11 used to the control of the control of the invention.

12 used to detect the oligoners described in the invention.

13 used to detect the oligoners described in the invention.

14 used to detect the prince of the prince of peculiarion, but was obtained in electronic format from BITO at
                                                                                                                                                                                                                                                                                                                                                                                          Set of oligonuclectides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; sg; central nervous system; gastrointestinal; respiratory; immune; metabolic
             21-FEB-2002
                                  ABC82886;
                                                      ABC82886 standard; DNA; 13 BP
                                                                                                                                                                                                  Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 other;
                                                                                                                                                                                                                        ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 68842; 29pp + Sequence Listing; German,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (EPIG-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oligonucleotide SEQ ID NO 68842 for detecting SNP TSC0017930
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                                                                                                                                                      Local Similarity 100.0%;
hes 12; Conservative
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This invention describes novel oligomucleotide primers or peptide nucleic acid (PNN) oligomust for detecting single nucleotide polymorphisms (SNP) and cytosine methylation efeatus in chemically pretreated genomic DNN. The oligomucleotides are used for disposes and/or prosposis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, acidiovascular and metholic disorders. The oligomers are also used for detecting call type differentiation. According to the primer of the pri

Claim 1; SEQ ID 82903; 29pp + Sequence Listing; German

methylation status -

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Query Match
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                   908 ACAATTCAAAAT 919
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06-APR-2001; 2001WO-IB00713

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ABCOOLD-ABC99999, ABFOOLD-ABF99989, ABFOOLD-ABC9999 and ABCOOLD-ABC99999, ABFOOLD-ABC9999 are described in the printed MPID: The sequence data for this patent did not form part of the printed specification, but was obbained in electronic fromat from MIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated general DNA. The oligonucleotides are used for disgnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               designed to detect si
                  methylation status -
                          Set of oligonucleotides, useful for diagnosis and cell designed to detect single nucleotide polymorphisms and
                                                                         WPI; 2001-657177/75
                                                                                                  Olek A,
                                                                                                                                                         07-APR-2000; 2000DE-1019173
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                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide SEQ ID NO 110673 for detecting SNP TSC0027619.
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                                                                                                                                                                                                                                                                                                                                                                                                                 ABF10676;
                                                                                                                                                                                                                                                                                                                                                                                                                                         ABF10676 standard; DNA; 13 BP
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Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 1 other;
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                                                      ftp.wipo.int/pub/published_pct_sequences.
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Query Match Best Local Similarity 746 ATTATTGATAAT 757 12; Conservative 0.6%; 0 Score 12; DB 1; Pred. No. 1.7e+ Mismatches 1.7e+02; 0 Length 13; Indels 0 Gaps

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1 ATTATTGATAAT 12 (first entry)

Oligonucleotide SEQ ID NO 110674 for detecting SNP TSC0027619 21-FEB-2002 ABF10677 standard; DNA; 13 BP

SRP, single nucleotide polymorphism; human; dásgnosis; PRA, cancer; CRS; peptide nucleot acid, cytosaine methylation; cardiovascular; primer; sg. central nervous system; gastrointestinal; respiratory; immune; metabolic;

WO200177384-A2 Homo sapiens.

07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713

EPIGENOMICS AG

were or cargonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cyrosine methylation status -WPI; 2001-657177/75 Olek A, Piepenbrock C, Berlin 7

Claim 1; SEQ ID 110674; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic acid (BNA) oligoners for detecting sincle nucleotide polymorphisms (SND) and cytodine mathylation status in chemically pretrated genomic BNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gentrolicastinal, respiratory, oligonary areals used on cardiovestinal and metabolic disorders. The oligonary area as used for decenting cell type differentiation. Different area also used for decenting cell type differentiation. National-MBS9999, ABF00010-MBS9999 and national mathematical disorders described in the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from NITO at

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                                                                                                                                                                                                                                                                                                                                                     Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 other;
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ABF16575 standard; DNA; 13
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Oligonucleotide SEQ ID NO 116572 for detecting SNP TSC0029176.

SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; 68; central nervous system; gastroincestinal; respiratory; immune; metabolic.

06-APR-2001; 2001WO-IB00713

designed to detect single nucleotide polymorphisms and cytosine Set of oligonucleotides, useful for diagnosis and cell typing,

Claim 1; SEQ ID 116572; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine mathylation status in chemically pretrasted genomic DNA. The oligonucleotides are used for disponsic and/or prognosis of cancer and a range of disposes including immune system, gestrointestinal, respiratory, central nervous system, cardiovascula and metabolic disportes. The oligoners are also used for describing call type differentiation.

10110-0010-AEC99999, ABROOOIU-ABP99999, ABHOOOID-ABP9999 and the invention.

NOTS: The sequence data for this patent did not form part of the printed specification, but was placated in the command of processing the printed of pecification, but was placated in electronic format from NIO at

Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 other;

0.6%; L 100.0%; Pr Score 12; Pred. No. Mismatches 1.7e+02; DB 1; 0; Length 13 Indels 0; Gaps

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ABF40132 standard; DNA; 13 뫔

Oligonucleotide SEQ ID NO 140129 for detecting SNP TSC0035104.

SNP; single nucleotide polymorphism; human; diagnosis; PNA, cancer; CNS; peptide nucleot acid; oytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic

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RESULT 284
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                                                                                                                                                                                                                                                   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
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Similarity 100.0%; Pred. No.
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                                                                                                                                                                                                                                   system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                           SEQ ID NO 140130 for detecting SNP TSC0035104.
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Olek A,
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Claim 1; SEQ ID 140130; 29pp + Sequence Listing; German.
                                                                                                      Set of oligonucleotides,
                                                                                                                                                         WPI; 2001-657177/75
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                                                                         onucleotides, useful for diagnosis and cell typing, is detect single nucleotide polymorphisms and cytosine
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This invention describes novel oligonuclaoride primers or peptide nuclatic acid (BNA) oligoners for detecting single nucleatide polymorphisms (SNP) and cyrosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for disgnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABC00010-ABC09101 represent the oligoners described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at fip. wipo.int/pub/published\_pot\_sequences.

Query Match Best Local Matches 12; Similarity Conservative 100.0%; 0 Score 12; Pred. No. Mismatches DB 1; Le Length 13; Indels 0 Gaps

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Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 other;

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923 AAAAGAGAGGAT 934
13
AAAAGAGAGGAT 2
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ABF55396 standard; DNA; 13 BP

Oligonucleotide SEQ ID NO 155393 for detecting SNP TSC0039241. SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; 21-FEB-2002 ABF55396; (first entry

18-OCT-2001 WO200177384-A2 Homo sapiens. central nervous system; gastrointestinal; respiratory; immune; metabolic.

Olek A, 07-APR-2000; 2000DE-1019173 06~APR-2001; 2001WO-IB00713 (EPIG-) BPIGENOMICS AG. Piepenbrock C, Berlin K;

methylation status Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine WPI; 2001-657177/75

Claim 1; SEQ ID 155393; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNB) and cytosine methylation status in chemically pretreated genomic DNA. The

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ABCORDIO-ABC9999, ABFORDIO-ABC9999, ABHORDIO-ABE9999, ABHORDIO-ABC9990, ABC900, ABC900,
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                                                                                                        Sequence 13 BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                        4 A; 6 C; 0 G; 3 T; 0 other;
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0.6%; Score 12; DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В₽
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Pred. No. 1.7e+(
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     range of diseases including immune system, gastrointestinal, respiratory, central nervous grutem, cardiovascular and metabolic disorders. The oligomers are also used for descring cell type differentiation.

ABC00010-ABC9999, ABR00010-ABC99999, ABR00010-ABC9999, ABC90010-ABC999, ABC90010-ABC9999, ABC
ABF80939 standard; DNA; 13 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms promit of the provided methodally pretracted genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABF80938 standard; DNA; 13
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   methylation status -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 180935 for detecting SNP TSC0044773.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-FBB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                           100.0%;
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Pred. No. 1.7e+
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Matches 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes movel oligomucleotide primers or peptide muclaic acid (PNN) oligomers for detecting single muclacid exid (PNN) oligomers for detecting single muclacide primers) and divisions methylation status in chemically pretreated genomic DNN. The oligomuclectides are used for disponsis and/or prognosis of camoer and a oligomuclectides are used for disponsis and/or prognosis of camoer and a
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                         WO200177384-A2
                                                                                                                                 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                                                                                                                  Oligonucleotide SEQ ID NO 209825 for detecting SNP TSC0009890.
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                                                                                                          system; gastrointestinal; respiratory; immune; metabolic
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Set of oligonucleotides,
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Query Match
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ABCUOULO-ABCUOJO: ABCUOJO: ABSP99989, ABGUOJO-ABJ99989 and ABJUOJO-ABJ00JO: represent the oligomers described in the invention.

NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at ftp.wipo.int/pub/published_pct_sequences.
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WPI; 2001-657177/75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oligonucleotide SEQ ID NO 209826 for detecting SNP TSC0009890.
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This invention describes novel oligonucleotide primers or peptide muclaic acid (PNN) oligomers for detecting single nuclacide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNN. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gentrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The coligomers are also used for detecting cell type differentiation.
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ABJ00010-ABJ09999, ABB00010-ABP9999, ABH0010-ABB99999 and the intention.

MAJ0011-BB10011 represent the oligoners described in the invention.

MAJ0011-BB10011 represent the oligoners described in the printed specification, but was obtained in electronic format from WIDO at present period of the printed specification, but was obtained in electronic format from WIDO at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes novel oligonuclectide primers or peptide nuclast acid (PNA) oligoners for detecting single nuclacide polymerstams (SNP) and cycosine methylation status in chemically pretreated genomic DNA. The oligonuclectides are used for disponsis and/or prognosis of camer and a
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            Oligonucleotide SEQ ID NO 257748 for detecting SNP TSC0009732
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                                                                             ABH57771
                                                                                                          ABH57771 standard; DNA; 13 BP
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Olek A,
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methylation status -
                              Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                       WPI; 2001-657177/75.
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oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010+DE09999, DE0001-DE09999, ABE0001-DE09999, ABE0001-DE099999, ABE0001-DE09999, ABE0001-DE0999 This invention describes novel oligonucleotide primers or peptide nucleotic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The ftp.wipo.int/pub/published\_pct\_sequences. Claim 1; SEQ ID 257748; 29pp + Sequence Listing; German.

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                               Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 other;
       863 ATAGGTTATGTT 874
12 ATAGGTTATGTT 1
                   Similarity
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                   100.0%;
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                   Score 12; DB 1; L
Pred. No. 1.7e+02;
               Mismatches
                       DB 1; Length 13;
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ABH59494
                                        22-FEB-2002
                                                  ABH59494 standard; DNA; 13 BP
                                       (first entry
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SRP; stagle nucleotide polymorphism; human; diagnosis; PNA; cancer; CSP; peptide nucleic acid; cytosine methylation; cardiovascular; primer; sS; central nervous system; gaserointestinal; respiratory; immune; metabolic WO200177384-A2

Oligonucleotide SEQ ID NO 259471 for detecting SNP TSC0063021.

06-APR-2001; 2001WO-IB00713

18-OCT-2001

07-APR-2000; 2000DE-1019173

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               Claim 1; SEQ ID 259472; 29pp + Sequence Listing; German
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          743 AGGATTATTGAT 754
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                          Similarity
AGGATTATTGAT 2
                      Conservative
                          100.0%;
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                          Score 12;
Pred. No.
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                      Indels
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                      Gaps
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ABH61350
ID ABH
                                                                                                                                           RESULT 297
Oligonucleotide SEQ ID NO 261327 for detecting SNP TSC0063441.
                                      22-FEB-2002
                                                                         ABH61350;
                                                                                                        ABH61350 standard; DNA; 13 BP
                                   (first entry
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SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; peptide nucleic acid; cytosine methylation; cardiovascular; primer; central nervous system; gastrointestinal; respiratory; immune; metabolic

WC200177384-A2 Homo sapiens.

Olek A, 07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713 18-OCT-2001 EPIGENOMICS AG Piepenbrock C, Berlin K;

Claim 1; SEQ ID 261327; 29pp + Sequence Listing; German.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status

WPI; 2001-657177/75

radge of diseases including immune system, gastrointestinal, respiratory, contral nervous system, cardiovascular and metabolic disorders. The oligomers are also used for desecting cell type differentiation. ABC00010-ABC99399, ABC00010-ABE99399, ABC00010-ABE993999 and ABI00010-ABI3073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIFO at ftp.wipo.int/pub/published\_pot\_sequences. This invention describes novel oligonucleotide primers or peptide nucleic and (PNA) oligomers for detecting single nucleotide polymorphisms and oligoners for detecting single nucleotide polymorphisms (PNA) and overside methylation septus in chemically prestracted genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a

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RESULT 298
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100.0%; Pred. No.
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Pred. No. 1.7e+
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ID ABH631
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Best Local Similarity

Matches 12; Conserv
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oligomers are also used for detecting cell type differentiation. ABCG0010-ABC9999, ABCG0010-ABC9999, ABCG0010-ABC9999, ABCG0010-ABC9999, ABCG010-ABC9999, ABCG010-ABC9999, ABCG010-ABC9999, ABCG010-ABC9999, ABCG010-ABC999

NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at ftp.wipo.int/pub/published\_pot\_sequences.

Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 other;

1052 ATTITGAGAGAG 1063

Conservative

100.0%;

0.6%; Score 12; DB 1; Lo 100.0%; Pred. No. 1.7e+02; ive 0; Mismatches 0;

Length 13 Indels

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Gaps

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ATTTTGAGAGAG 13

This invention describes novel oligonucleoride primers or peptide nucleic acid (PNA) oligoners for detecting single nucleicide polymorphisms (SNP) and cycosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gestrointestial, respiratory, central nervous system, cardiovascular and metabolic disorders. The

RESULT 299 ABH63162

Homo sapiens

SNP, single nuclectide polymorphism; human; diagnosis; PNA, cancer; CNS, peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

Oligonucleotide SEQ ID NO 263140 for detecting SNP TSC0063825

22-FEB-2002 ABH63163;

(first entry)

ABH63163 standard; DNA; 13 BP

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Claim 1; SEQ ID 263139; 29pp + Sequence Listing; German
                                                          methylation status
                                                                                   Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                          WPI; 2001-657177/75
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RESULT 301
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Best Local S
Matches 12
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NOTES The sequence data for this patent did not form part of the printed specification, but was obtained in electronic form part of the printed specification, but was obtained in electronic format from MIPD at
          Olek A,
                                                                07-APR-2000; 2000DE-1019173
                                                                                             06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                          SNP; stingle nucleotide polymorphism, human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; oytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                Oligonucleotide SEQ ID NO 263265 for detecting SNP TSC0009840
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                                                                                                                                                                                                                                                                                                                                                      ABH63288 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Set of oligonucleotides,
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          Piepenbrock C,
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          Berlin K;
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RESULT 302
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      acid (PNN) oligomers for detecting single nucleoride polymorphisms (SNP) and cytosize methylation status in chemically pretreated genomic DN. The oligonucleorides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID 263265; 29pp + Sequence Listing; German
                                                                                                   methylation
                                                                                                                            Set of oligonucleotides,
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                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                               SNP, single nuclectide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nuclect acid; cytosite methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide SEQ ID NO 263266 for detecting SNP TSC0009840
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes novel oligonucleotide primers or peptide nucleic
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                                                                                                  jonucleotides, useful for diagnosis and cell typing, is detect single nucleotide polymorphisms and cytosine status
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleated polymorphisms (SNP) and cycopine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of camer and a cligonucleotides are used for diagnosis and/or prognosis of camer and a

range of diseases including immune system, gastrointestinal, respiratory

Claim 1; SEQ ID 263266; 29pp + Sequence Listing; German

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RESULT 303
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        The invention relates to a method of identifying gene transcripts, which involves generating at least a first set of raw sequences which years a least a first set of raw sequences (its by sequencing at least a first type of biological material, isolating first ditags (IT) from RD, isolating first case (IT) from DT, determining the abundance of T1 and identifying IT, and then reducing the amount of sequencing errors using a statistical model for sequencing errors to be captient of UT. The method is useful for the identification of gene transcripts such as RNA or their corresponding cDNAs, and also for conclecting information from several cell types, e.g. with reference to DGE (differential gene expression) studies. The method has improved collecting information from several cell types, e.g. with reference to DGE (differential gene expression) studies. The method has improved of C collecting information from several cell types, e.g. with reference to DGE (differential gene expression) studies. The method has improved of C collecting the terror trace and consequently rejecting CC dangerous tags. It provides an easy way for consulting the identified tags by use of an improved graphical interface. Sequencing error is creduced by applying a statistical model. A measure of confirm the CC identification is provided, by allowing the user to confirm the method provides confirm the confirmation shown interfaces from which is richer than other interfaces from smaller of confirmation above iterateful at the method provides confirmation above iterateful at the method provides.
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Best Local
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sequences by sequencing biologican material, isolating first ditags and
first tags, determining abundance of first tags, reducing sequencing
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in terms of information about identified tags, but also an improved
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AAH74111
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                errors
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-443815/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Colinge J, Feger G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-DEC-1999;
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graphical interface which allows an easy interpretation of the results and an easy access to e.g. the KEGG (undefined) pathway. The present sequence represents primer #10 used in the method of the
Sequence 14 BP; 8 A; 2 C; 1 G; 3 T; 0 other.
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0,6%;

100.0% 0 Score 12; Pred. No. Mismatches DB 1, L 0 Length 14 Indels 0 Gaps

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AAH74111 standard; DNA; 15 98

identification of gene transcripts

Primer; DGE; differential gene expression; gene identification; ss

99EP-0126017

(ISTF ) ARS APPLIED RES SYSTEMS HOLDING 99EP-0126017 Ę

identifying gene transcripts, involves generating first set of raw sequences by sequencing biological material, isolating first ditags and first tags, determining abundance of first tags, reducing sequencing

Disclosure; Fig 10; 104pp; English.

or the invention relates to a method of identifying gene transcripts. Which involves generating at least a first set of rew sequencis (is) by careful and the sequences (is) by such that the sequences is the capacity of the sequencing at least a first type of biological material, including the cabundance of T1 and identifying T1, and then reducing the amount of capacity of the provided to T1. The method is useful for the identification of gene capacity of the sequencing errors to be applied to T1. The method is useful for the identification of gene capacity of the sequencing control of the sequencing errors and the sequencing control of the sequencing errors are sequencing control of the sequencing error is capacity of the sequencing error is capacity at sequencing error is capacity as a sequencing error is capacity as each introduced by applying a statistical model. A measure of correctness of the sequencing error is capacity as each interest of the sequencing error is capacity as a statistical model. A measure of correctness of contentification through use of more than one database. The method provides the sequence reported by applying a statistical model. A measure of correctness of correctness of the sequence of the sequence is the sequence of the sequenc

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Matches 12; Conservative
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Best Local
                                                741, and (T) at a position corresponding to mucleotide 530. (I) can be used in gene therapy. (I) is useful for therapeutic purposes. A polypspide (II) encoded by (I) is useful for therapeutic purposes. A polypspide (II) encoded by (II) is useful in drug screening assays and in assays to measure the binding affinity of one or more candidate drugs targeting (II). An antibody (III) to (II) is useful to immunoprecipitate (III) from solution and also reacts with (II) on Western or immunologs of polybacrylands gels on embrane supports or substrates (III) is also useful in immunoassays to detect (II) in biological samples, AkP99057 to AkP99140 represent IGERA gene polymorphism detection primers, and AkP99141 to AkP99141 to AkP99140 represent IGERA gene polymorphism detection primers, and AkP99141 to AkP99140 represent IGERA gene polymorphism detection primers, and AkP99141 to AkP99140 represent IGERA gene polymorphism detection primers and AkP99141 to AkP99140 represent IGERA gene polymorphism detection primers which are used in
                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes an isolated polymucleotide (II comprising a nucleotide sequence (8) which is a polymorphic variant of a reference sequence for the human immunoglobulin R receptor I alpha subunit (IGERN) gene or its fragment. The polymorphic variant comprises at least one polymorphism scheeted from quantine (8) at polymorphics site (88) 1 R89, P810 or P821, adenine (8) at P82, P82 (9) at P82, P83, P84 (9) at P82, P84 (9) at P82, P84 (9) at P82, P84 (9) at P84 (9) a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 15; Page 23; 99pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polynucleotide for gene therapy, comprises nucleotide polymorphisms in the immunoglobulin B receptor I alpha subunit gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-202766/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stephens
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JC;
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Pred. No.
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Sequence 15 BP;

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2 0;

5 G; 0 U; 0 other

Best Local Matches 1 Query Match

Similarity

0.6%; Score 12; DB 1; L 100.0%; Pred. No. 2.2e+02;

Length 15;

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Gaps

0

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Sequence 15

BP; 8 A; 1 C; 5 G; 1 T; 0 other;

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RESULT 306
AAF98068
Communication sequence (S) which is a polymorphic variant of a reference—
Communication of the human immonglochulin E receptor 1 alpha subunit (GREA)
Communication of the human immonglochulin E receptor 1 alpha subunit (GREA)
Communication of the human subunit of the polymorphic site (PS) 1, PS9,
Communication selected from guantine (G) at polymorphic site (PS) 1, PS9,
Communication of PS21, cyrosine (C) at PS2, PS3, PS5, PS12, PS13 or PS22 and thymine (T)
Communication of PS21, cyrosine (G) at a position corresponding to mucleotide S20, (A) at a position corresponding to mucleotide S20, (A) at a position corresponding to mucleotide S20, (I) is useful for therapeutic purposes. A

Complypeptide (II) encoded by (I) is useful in drug screening seasys and communication of the polymorphism of the polymorphism of the polymorphism of mucleotide S20, (II) is useful for therapeutic purposes. A

Communication of the proper state of the proper
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 15; Page 23; 99pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polynucleotide for gene therapy, comprises nucleotide polymorphisms in the immunoglobulin S receptor I alpha subunit gene
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Pred. No.
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. 2.2e+02;
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RESULT 307
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                                                                                                                                                                                                     Matches
          Human; Selectin L Lymphocyte Adhesion Molecule 1, SELL;
neonatal pertussis; whooping cough; haplotyping; primex;
allele-specific oligonuclectide; ss.
                                                Selectin L Lymphocyte Adhesion Molecule 1 (SELL) oligonucleotide #53.
                                                                                                                                                                                                                                                            polymorphisms (SNPs) identified therein. The sequences can be used to heplotype the 90% gene of an individual, and to establish whether FOR is a suitable target for daugs to treat cancer and disorders associated with impaired process synthesis in cells. The present sequence is an allele specific primer for the coding sequences of the invention.
                                                                                                                                                                                                                                                                                                                                                                 New genetic variants comprising haplotypes of the P450 (cytochrome) oxidoreductaes (POR) loggene, useful in improving the efficiency of drug screening protocols for compounds targeting POR -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-OCT-2001; 2001WO-US30877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human P450(cytochrome) oxidoreductase allele specific PCR primer #33.
                                                                      18-JUN-2002
                                                                                          ABK55517;
                                                                                                             ABK55517 standard; DNA; 15 BP
                                                                                                                                                                                                                                          Sequence 15 BP; 3 A; 8 C; 2 G; 1 T; 1 other;
                                                                                                                                                                                                                                                                                                              The present invention provides the protein, gene and cDNA sequences of human P450(cytochrome) oxidoreductase POR, and single nucleotide
                                                                                                                                                                                                                                                                                                                                             Claim 14; Page 15; 141pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-394236/42
                                                                                                                                                                                                                                                                                                                                                                                                                                                (GENA-) GENAISSANCE PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200226768-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single nucleotide polymorphism; flavoprotein; enzyme; PCR; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; P450(cytochrome) oxidoreductase; POR; cancer; haplotype; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABN80593;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN80593 standard; DNA; 15
                                                                                                                                                                                                              Local
                                                                                                                                                                                 1015 GTGTGTGGTTGGCA 1028
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                                                                                                                                                                                                    12;
                                                                                                                                                            15 GYGTGTGGCTGGCA 2
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                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                    Conservative
                                                                     (first entry)
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                                                                                                                                                                                                             85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                             Lanz EM,
                                                                                                                                                                                                                         0.6%;
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                                                                                                                                                                                                    1;
                                                                                                                                                                                                              Pred. No. 2.2e+02;
                                                                                                                                                                                                                         Score 12; DB 1;
                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                             Tanguay DA;
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                                                                                                                                                                                                                       Length 15
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                            AAD31906
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        AAD31906
                                                                                                                                                                              oligonucleotides of the invention.
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Novel genetic variants of selectin L lymphocyte adhesion molecule 1 (SEL) gene useful for therspeutic purposes and for expressing SELL control of the selection of the selection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bieglecki KM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kliem SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Koshy B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kumar AM
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The invention relates to an isolated polynucleotide (I) comprising a Claim 17; Page 14; 137pp; English. protein useful in identifying drugs to treat whooping cough

with iteration the reaction to all should polyhorize the degree of a reference conclusion and eaglement which is a polymorphic variant of a reference group and the state of t specific condition or disease predicted to be associated with SELL cattivity. The method is also useful in screening for compounds or targeting SELL to treat a specific condition or disease predicted to be associated with SELL activity, e.g. detecting which of the SELL cattivity, e.g. detecting which of the SELL cattivity, e.g. detecting which of the SELL cattivity for cath of the specific disease of interest enables one to screen to population with the specific disease of interest enables one to screen to compound that display the highest desired agonist or antagonist cattivity for each of the most frequent SELL isoforms present in the categories of the effect of the variation on the biological activity of SELL, on the conditions of the most of the categories to the treatment of the most permissis (whoping cough) and in assays to measure the categories the SELL activity of SELL for the treatment of the categories of the categories candidate drugs targeting SELL for the treatment of the categories and the specific activity of SELL for the treatment of the categories of the categories and the second that seems the categories are candidated drugs targeting the SELL categories and the second that the second the second that

Sequence 15 BP; 4 A; 2 C; 3 G; 5 T; 1 other;

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RESULT 309
                                                                                                              Matches 12;
                                                                                                                         Query Match
Best Local Similarity
AAD31906 standard; DNA; 16 BP
                                                                                      754 TRATATGGGTCA 765
                                                             TAATATGGGTCA 12
                                                                                                              Conservative
                                                                                                                         100.0%;
                                                                                                              0;
                                                                                                                         Score 12; DB 1; L; Pred. No. 2.2e+02;
                                                                                                              Mismatches
                                                                                                              0; Indels
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                                                                                                              0,
                                                                                                            Gaps
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                                                                                              Query Match
Best Local S
Matches 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Microbial virulence factor, genetic predisposition, Alzheimer's disease; 
Parkinson's disease; schizophrenia; frontotemporal lobe dementia; 
horeditary multi-infact dementia; primary X-linked mental retardation; 
dementia; myopathy; familial British dementia; psychiatric disorder;
                                                                                                                                                                                                     Sequence 16 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 6; Page 23; 52pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-241910/29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FRIT/) FRITZSCHE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-AUG-2000; 2000WO-IB01127
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                                                                                              Local Similarity
nes 12; Conserv
                                                                                                                                                                                                                                                          in the exemplification of the invention.
                                             936
                                         TACTAAAAATAA 947
                                                                                              Conservative
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                                                                                                                         100.0%;
                                                                                                                                                   0.6%;
                                                                                                                     Score 12;
, Pred. No.
                                                                                              Mismatches
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                                                                                                                                                                                                     other;
                                                                                                                         2.4e+02;
                                                                                                                                                DB 1;
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ID NAX752

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ABN02300/c
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Matches
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                                         29-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-OCT-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                             Local
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                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                     (first entry)
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RESULT 310

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          the synthesis, expression and/or stability of a make encoding or more receptors of vaccular endothelial growth factor (VESF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flt-1); c. g. tumoru angiogenesis, ocular diseases, psoriamis and rheumatoid arthritian be treated by administering the nucleic acid molecule or the expression receptor to the patient. AAX67275 to AAX7575; represent specific examples receptor to the patient. AAX67275 to AAX7575; represent specific examples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fik-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
tumour angiogenesis; psoriassis; rbounatori arthritis; ocular disease;
fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #826
Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
                                                                                              Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2292.
                                                                                                                                                                                                                                                                                           ABN02300 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 6 A; 2 C; 7 G; 2 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of nucleic acid molecules from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; Page 180; 218pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mucleic acid molecule modulating VEGF receptor(s) mRNA stability - useful for treating e.g. tumour psoriasis, rheumatoid arthritis, etc., in a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vascular endothelial growth factor receptor; VEGF receptor; flt-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96US-0584040
95US-0005974
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
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Pred. No. 2.7e+(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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angiogenesis,
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                                                                                                                                                                                 concentration and/or amount specifically of homes process, as specific biomackoule coulture probes for surfage-enhanced laser description for surfage-enhanced laser description are the properties of the process of the process of the properties of the properties of the properties of the polymucle production, and in vaccines or for replacement therapy. The polymucle orbide sequences encoding boomer 1 may be used for this process. The production and in vaccines of Robut-1 is localised to particular heart and selected missel disorders an EMMLP-1 to localised to particular heart and selected missel disorders an EMMLP-1 to localise to compone 2.7 The present sequence represents an Oligoner used in the screening of the Boomer's sequence and the second of the present sequence.
                                                                                                                                                                                                                                                                                               hkDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hcDMLP-1 nucleic acids in samples, as amplification substrates for the recombinant engineering substrates for the recombinant engineering of hcDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hdDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that perfittedly recognise hdDMLP-1 proteins, as scandards in assays used to determine the
                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a human genome-derived myosin-lik protein 1 (hoghWir-1). The protein and polymucleotide sequences of hGDWLP-1 can be used in gene therapy and vaccine production. The
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser description ionization, comprises human myosin-like protein hGDMLP-1
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                                                                                                            Sequence 17
                                                                                                                                                N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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2001WO-US00669.
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2001US-266860P.
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ABN02301/c
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21-SBP-2001 200018-234697P
27-SBP-2001 200018-23459P
04-CCT-2000 200038-03459P
04-CCT-2000 200038-03459P
04-CCT-2000 200038-03459P
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30-JNN-2001 200110-US00663
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(AEOM-) AEOMICA INC
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                                                                                                                                                                                                                                                                                                                                                                                                2000US-207456P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hGDMLP-1; heart
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Gu Y, Ji Y, Penn 8G, Hanzel DK, Rank DR, Chen W, Shannon ME WEI; 2002-179446/23.

New polypeptide, for raising antibodies that recognize hoDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser describion ionization, comprises human myosin-like protein hGDMLP-1 -

Disclosure; SBQ ID 2293; 214pp; English.

ce The present invention describes a human genome-destived myosin-like to protein 1 (RopMup-1). The protein and polymuchecitide sequences of the MoMAUP-1 can be used in gene therapy and varcine production. The ConfigMup-1 uncleic acids can be used as probes to detect, characterise and quantify highwap-1 nucleic acids in samples, as semplification contained to provide initial substrates for the recombinant septimering of highwap-1 protein variants having desired phencypic improvements, and core expressing the proteins. The highwap-1 protein or polymuches to raise antibodies that specifically recognise may be used as immungent to raise antibodies that specifically recognise concentration and/or sendands in assays used to determine the concentration and/or sendands in assays used to determine the protein concentration and herepetic supplement in particular by receiping a disorder specific supplement in particular septiment therefore the first protein and polymuchecities sequences encoding hombup-1 may be used for disposing a disorder associated with the expression of highler), in comparation and a sealered muscle disorders. hombup-1 is localized to chromosome 22. The present sequence represents an oligomer used in the excreming of the highler-1 sequence in the exemption of the present concentration.

1. B. The sequence data for this patent did not form part of the printed consideration.

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RESULT 313
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27-SEP-2000;
04-OCT-2000;
              The present invention describes a human genome-derived myosin-like protein 1 (hoghup-1). The protein and polymucia-orde sequences of foRMLP-1 can be used in gene therapy and vaccine production. The hoghup-1 models acids can be used as probes to detect, characterise and quantity hoghup-1 models acids can be used as probes to detect, characterise and quantity hoghup-1 models acids in samples, as ambitisation in substrates for the recombinant engineering of hoghup-1 protein variants having desired phenotypic improvements, and
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at ftp.wipo.in
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expressing the proteins. The hGDMLP-1 proteins or polypeptides may
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2000US-2361890
2000US-2061890
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                                                                                                                 J.
                                                                                                                                                               ABOMICA
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2000US-236359P
                                                                                                                                                                   INC
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                                                                                                                 ÞK,
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                                                                                                                 Chen
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for

WPI; 2002-179446/23

Penn SG,

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Shannon ME;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     co highWiF-1 mucleic acids can be used as probes to detect, obsarcerise can duantify highWiF-1 mucleic acids in samples, as amplification consistrates, to provide initial substrates for the recombinant empty-nering confidence of highWiF-1 procein variants having desired phenotypic improvements, and confidence and the recombinant terminates and the resolution of polypeptides may be used as immunogens to raise antibodies that specifically recognise concentration and/or amount specifically of highly processin, as specific concentration, as therapeutic supplement in patients having specific deficiency in highly-1 production, and in vaccines or for replacement confiscation, as therapeutic supplement in patients having specific deficiency in highly-1 production, and in vaccines or for replacement confiscation, as therapeutic supplement in patients having specific disposal and altered associated with the expression of knowledge of the formations of the formation of th
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26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
04-CCT-2000;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO at frp.wipo.inr/pub/published.pct_sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein 1 (hGDMLP-1). The protein and polynucleotide sequences
hGDMLP-1 can be used in gene therapy and vaccine production. Th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure;
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                                                                                                                                                                                                                                                                                                                                                                      WO200192524-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                              muscle; myosin; chromosome 22; gene
skeletal muscle disorder; amplicon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; genome-derived myosin-like protein 1; GDMLP-1; muscle; myosin; chromosome 22; gene therapy; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABN02304 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 8 C; 4 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes a human genome-derived myosin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1 -
                                                                                                                                                                                                                                                                           25-MAY-2001; 2001WO-US16981
                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
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                    2000US-2214687P
2000US-234687P
2000US-234359P
2000US-200661
2001WO-US00662
2001WO-US00663
2001WO-US00663
2001WO-US00665
2001WO-US00665
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   2001WO-US00667
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              screening,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          heart disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hGDMLP-1; heart;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ID NO:2296.
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RESULT 316
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XX ABT375
XX ABT375
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XX 12-JUN
XX Y-Cost
XX Cytost
XX Cytost
XX Sohnis
XX Homo s
XX H

12-JUN-2003 ABT37519; ABT37519

(first entry)

standard; DNA; 17

g

27-MAR-2003 WO2003025175-A2 Homo sapiens

Oytostatic; virucida; neuroprotective; nootropic; neuroleptic; gene chip; attisense; enes; tumour; coll degeneration; center; Alzheimer; disease; ochlæophtenia; protein chip; gene therapy; tumour suppression; human fulutin; de.

Tumour suppression related human fukutin oligo SEQ ID No

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Matches Query Match Best

12;

Conservative

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Mismatches

Indels

ç Gaps 0

Local Similarity

100.0%; 0.6%;

Pred. No. 2.7e+02;

DB 1;

Length 17

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30-JAN-2001; 2001WO-US00669
30-JAN-2001; 2001WO-US00670
05-FEB-2001; 2001US-266860P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein 1 (hgMMLP-1). The protein and polymucleotide sequences or hgmMLP-1 can be used in gene therapy and vaccine production. The hgDMLP-1 mucleic acids can be used as probes to detect, characte:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New polypeptide, for raising antibodies that recognize NDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser description ionization, comprises human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gu Y,
                                                                                       N.B. The sequence data for this patent did not specification, but was obtained in electronic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID 2296; 214pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-179446/23.
Sequence 17 BP; 4 A; 7 C; 5 G; 1 T; 0 other;
                                                       at ftp.wipo.int/pub/published_pct_sequence.
                                                                                                                                                        invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ji Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    invention describes a human genome-derived myosin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Penn
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                                                                                                 format
                                                                                                                        form part of the printed
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                                                                                            directly from WIPO
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RESULT 317
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Consecutive nuclectical from the 17 may sequence, a sequence with after copitan alignment, at least 80 % identity to the 17 mer sequence at the control of the cont
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related
   17-SEP-2002; 2002WO-IB04208
                                                      27-MAR-2003
                                                                                               W02003025175-A2
                                                                                                                                                                                     Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; attisense; sense; tumour; cell degeneration; camear; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 6 A; 4 C; 1 G; 6 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptides, antibodies and transfected cells -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-313353/30
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                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                          Tumour suppression related human fukutin oligo SEQ ID No 4252
                                                                                                                                                                                                                                                                                                                                                          12-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABT38615 standard; DNA; 17 BP
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hes 12; Conserv
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100.0%; Pred. No. 2.7e+02;
ive 0; Mismatches 0;
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AAT55162
ID AAT551
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   given in the specification, a sequence containing at least 15 consecutive muchacides from the Ji mer sequence at the sequence with after organization muchacides from the Ji mer sequence with after sequence that hybridises so them under highly stringent conditions or the complement of all set than, or the corresponding RNA. The noutes call for detecting identifying quantifying and/or emplifying and primers for detecting detections of the invention complement of a general primer sequence of the invention complement of a general primer sequence of the production of the invention complement of a general primer sequence of the production of the complement of the general primer sequence of the production of complement of primer sequence of the production of the complement of primer sequence of the sequence of the sequence and control of the production of the invention can be used to generate a time of process of these controls of the sequences of the invention can be used in general theory. This polymorbettide sequences of the invention can be used in general theory.
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Best Local :
                                                                                                                              Enzymatic mucleic acid; ribozyme; trans cleavage; inhibiton; gene expression; downregulation; interjeakth 5 II-5; ICM-1; gene expression; downregulation; all himour necrosis fector; intercellulars adhesion molecule; rel A; tumour necrosis fector; TWF-alpha; respiratory symptial yrung, EWY; bort abl; oncogene; transicoation, chronic myelogenous leukaemis, OW, cancer; Philadelphia chronasome; nyelogenous leukaemis, OW, cancer; Philadelphia chronasome; nyelogenous leukaemis, outcommon disease; philadelphia chronasome; nyelogenous leukaemis, autochimus disease; anterceocerosis; myecardial infarction, stroke; respensios;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated mucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells
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                                                                    transplant rejection; rheumatoid arthritis; psoriasis;
myocardial ischaemia; Kawasaki disease; septic shock; HIV;
human immunodeficiency virus; acquired immune deficiency syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a novel isolated 17 mer nucleic acid sequence,
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Homo sapiens
                                               AIDS; ss.
                                                                                                                                                                                                                                                                                                                              Human relA hammerhead ribozyme target sequence (nt. position 1665)
                                                                                                                                                                                                                                                                                                                                                                                               25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                               AAT55162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAT55162 standard; RNA; 15 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 4 A; 4 C; 2 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 531; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            686 GAAGATACTGAT 697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 GAAGATACTGAT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                           (updated)
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12; DB 1; L
Pred. No. 2.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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Length 17 Indels

0; Gaps 0

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The present sequence represents a preferred target sequence for an entymatic nucleic acid (i.e., a thompson which cleaves relat.)

making the nucleic acid (i.e., a thompson which cleaves relat.)

The real gene nucleic be sequented in the DE line.

The real gene nucleic be sequented in the DE line.

The real gene nucleic be sequented in the tenderion of inflamentary responses. Regions of the make that do not form secondary responses. Regions of the make that do not form secondary to diding structures and that contain potential hammentaed can hairpin kinonyme cleaves getter ever dentified by computer analysis. Altonymes cleaves stress were identified by computer analysis. Altonymes cleaves stress that these hair importances were contained and there have modifications that improve their regions sequenced and there have not transplanted on cleaves the contained and there have not the expension, making them potentially useful as for increasing polarance to transplanted contained and that as for increasing polarance to transplanted contained and the potential municiparizes to proporties of a riboyme cleaves real makes are limited to local that one can be altered and contained and the views of the potential makes are limited to local can be altered and can be altered and contained and conta
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02-8RF 1994
08-SEP 1994
23-SEP 1994
23-SEP 1994
23-SEP 1994
23-SEP 1994
03-OCT 1994
07-OCT 1994
11-OCT 1994
11-OCT 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Grimm S,
Modak A,
    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-NOV-1994;
16-DEC-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for use in inhibiting disease related genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ribozymes having modified bases and methods for producing them
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1995-351090/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stinchcomb
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Karpeisky A, Kisich K,
Pavco P, Beigleman L,
JD, Tracz D, Usman N,
BP; 3
                                                               25-MAR-2003 to correct PI field.)
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9408-029143.
9408-0292620
9408-0292620
9408-0292620
9408-0292620
9408-0310000
9408-031149
9408-031149
9408-0311679
9408-0311879
9408-0311893
9408-0311893
9408-0311893
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94US-0357577.
94US-0363233.
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94US-0245736.
94US-0271280.
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94US-0201109.
94US-0218934.
94US-0222795.
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A; 4 C; 3 G; 5 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      enzo A, Draper KG, 1
, Matulic-adamic J,
Sullivan SM, Sweed
Wincott FE, Woolf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sweedler D;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen JA;
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Query Match Best Local & Matches

0.6%;
Local Similarity 60.0%;
hes 9; Conservation

Length 15; Indels

٥, Gaps

0;

present invention

synovial membrane of joints foor the treatment or prevention of arthritis, particularly occentrated for the treatment of a trivitis. The RMN can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipion to an alloantigen of a donor. They can also be used for treating graft tolerance or for treating autoimmune disease, and for treating alterjates and other inflammancery conditions. The RMN c can also be used in diagnosis, Ribozyme therapy impacts on the expression of to tromelysin which accompany treatment with retuncids and dexamethasons. The concentration of ribozyme required to affect a therapeatic treatment also present sequence is used in the remaining and is highly specific many present sequence is used in the semplification of the

The present invention describes a novel enzymatic nucleic acid (SRM) having a hammethead motif (RM) comprising; (i) at least 5 ribose residues; (ii) a 2"-C-ally! modification at position 4 of the SNM, (ii) at least ten 2"-O-methyl modification, and (iv) a 3"-end modification at least ten 2"-O-methyl modification, and (iv) a 3"-end modification. The ENN's can inhibit collageness and stromelysin production in the

Enzymatic nucleic acid molecules having a for the treatment of arthritis, induction treatment of auto-immune diseases

hammer-head motif - used of graft tolerance or

Claim 10; Page 197; 307pp; English.

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RESULT 319
AAX66308/c
ID AAX663
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04-MAY-1995;
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23-DEC-1994;
23-DEC-1994;
                                                                                                                                                                                                                           Draper K, Gustofson J, McSwiggen J, Pavco
Beigelman L, Karpeisky A, Modak A, Usman
Matulic-Adamic J, Jarvis T, Thompson JD,
                                                                                                                                                                                                                                                                                                                                                                 05-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase; stronelygin; synovial membranse; joint; arthritis; osteoarthritis; theumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                              WPI; 1996~300653/30.
                                                                                                                                                                                                                                                                                                                        20-APR-1995
                                                                                                                                                                                                                                                                                                                                 17-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                                   22-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                    20-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                    diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse B7-2 hammerhead ribozyme target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX66308;
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                                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                   W09618736-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           820 CTGCCTTCAGGAGAT 83:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        standard;
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94US-0363253
94US-0363253
94US-0363254
95US-0390850
95US-0426124
95US-0426124
95US-0432674
95US-0434509
95US-000951
95US-000951
95US-0512661
                                                                                                                                                                                                                                                                                                                                                                                   95WO-US15516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO:2940
                                                                                                                                                                                                                                           Pavco P,
                                                                                                                                                                                                                            Wincott F;
                                                                                                                                                                                                                                             Stinchcomb DT;
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RESULT 320
AAX66309/c
ID AAX663
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Best Local S
Matches 13
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23-DEC-1994
23-DEC-1994
17-FEB-1995
20-APR-1995
02-MAY-1995
04-MAY-1995
07-JUL-1995
The present invention describes a novel enzymatic nucleic acid (ENNA) having a hammerhead motif (ENN) compating: (1) as Least 5 ribose.

Tesiduses; (ii) a 2"-c-allyl modification at position 4 of the ENNA) at least ten 2"-c-methyl modifications; and (iv) a 3"-end modification. The ENNA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the testaments prevention of atthicts, particularly ostewarthitis for the testaments prevention induce collectance in a recipient to an alloahige of a domor They can also be used for enhancing graft to herance or ion treating alteriors. The ENNA's can also the collectance of the 
                                                                                                                                                                                                                                                                                                                                                                                                                       Draper K, G
Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arthritic condition graft tolerance; immune response; target; cleavage; hammerhead ribozyme; hairpin ribozyme; human; rabbit; couse; collagenase; stromelygin; synovial membrane; joint, arthritis, osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                           Claim 10; Page 197; 307pp; English
                                                                                                                                                                                                                                                                                                     Enzymatic nucleic acid molecules having a for the treatment of arthritis, induction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-AUG-1995.
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                                                                                                                                                                                                                                                                                 treatment of auto-immune diseases
                                                                                                                                                                                                                                                                                                                                                                  WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (RIBO-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RIBOZYME PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Gustofson J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hammerhead ribozyme target SEQ ID NO:2941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP;
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95US-0390850.

95US-0426124.

95US-0422874.

95US-0434509.

95US-0000951.

95US-0000974.

95US-0512861.
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86.7%;
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A, Modak A, U
is T, Thompson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11.8; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                     Usman
on JD,
                                                                                                                                                                                                                                                                                                                                                                                                  Pavco P, Stincl
Usman N, Burgin
n JD, Wincott F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.4e+02
                                                                                                                                                                                                                                                                                                  hammer-head motif - used of graft tolerance or
                                                                                                                                                                                                                                                                                                                                                                                                                       Burgin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                           Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                          Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                           DT;
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RESULT Jax
ANX66233/C
ANX66233/C
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ANX6623
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ANX6622
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ANX6622
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ANX6622
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ANX6622
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ANX6622
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ANX662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          និនិនិនិនិនិនិនិ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-JUL-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-APR-1995;
02-MAY-1995;
04-MAY-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               be used in diagnosis, Ribozyme therapy impacts on the expression of stromelysin without introducing the non-specific effects upon gene expression which accompany treatment with retinoids and doxamethasone. The concentration of ribozyme required to affect a therapputic treatment is lower than that required of artisenses molecules, and is highly specific. The present sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-DEC-1994;
23-DEC-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; sprovida membrane; join; atthritis; ostcoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX66233;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15 BP; 3 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUN-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse B7-2
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                                                                                                                                                                                                                                                                                                                                                        Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                         (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-DEC-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   825 TTCAGGAGATAGAAA 839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15
                                                                                                                                                                                                                                                                                                                                                                                                     RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TTGAGGAGATGGAAA
                                                                                                                                                                                                                                                                                                                                                        Gustofson J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hammerhead ribozyme target SEQ ID NO:2865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                94US - 0363254
95US - 0390850
95US - 0426124
95US - 04232874
95US - 0434509
95US - 0000951
95US - 0000974
                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUS6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94US-0354920
94US-0363253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95WO-US15516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      -0512861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6
C;
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                                                                                                                                                                                                                                                                                              , McSwiggen J, ru.
Modak A, Usman N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0 G; 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 11.8;
Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                                                                                                                                                                                                                                                                                                                  Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u>,,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 15;
                                                                                                                                                                                                                                                                                                                                                        Stinchcomb
                                                                                                                                                                                                                                                                                                                                                        DT;
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The present invention describes a novel enzymatic nucleic having a hammerhead motif (HM) comprising: (1) at least 5 residues; (11) a 2'-C-allyl modification at position 4 of at least ten 2'-O-methyl modifications; and (iv) a 3'-end

modification the ENA; (iii) ribose acid

(ENA)

Braymatic nucleic acid molecules having a hammer-head motif - used for the treatment of arthritis, induction of graft tolerance or treatment of auto-immune diseases

Claim 10; Page 197; 307pp; English

Beigelman L, I Matulic-Adamic

Karpeisky A, c J, Jarvis T,

N, Burgin A; Wincott F;

WPI; 1996-300653/30

schultz344-3.rng

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RESULT 322
AAV49184
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AW49008-236 represent antisense oligomucleotides directed against the rb gene. Of these, only oligomucleotides AW49008-52 resulted in effective downesquiation of negative growth control by rb, while oligomucleotides AW49052-236 had little effect. The oligomucleotides exemplify the invention. The specification describes oligomucleotides that contain 8-30 mucleotides, which contain at most 8 mucleotides that contain 8-30 mucleotides, which contain at most 8 mucleotides that can each form three phytrogen bonds to cytosine; do not contain four consecutive mucleotides able to form three H-bonds each to four consecutive of the consecutive mucleotides and the sequences of three consecutive mucleotides each able to form three H-bonds to three consecutive mucleotides each able to form three H-bonds to three consecutive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                particularly ossesour hattis or "Amematoid methalis" The SNA s can also be used to treat antigen pessenting calls of a dorse to induce clastrance in a recipient to an allowing pessenting calls of a dorse Taylore also be used for enhancing graft tolerance or for treating surclimans disease used for treating allegies and other inflammatory conditions. The SNA can also be used in disgraps a bloomyme therapy simparts on the expression of stromelysis without introducing the non-specific effect deprecable expression which accompany treatment with retinoids and department expression which accompany treatment with retinoids and department is lower than that required of antisenses solucines and shighly supposited. The present sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Preparation of antisense oligo:nucleoride(s) which lack long runs consecutive guanosine or inosine - and have specific ratio of residues able to form two or three hydrogen bonds, have greater
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-AUG-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 7; Fig 9c; 286pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           activity and reduced toxicity, used therapeutically or to modulate growth of cells in culture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-400910/35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Brysch W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-JAN-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rb gene; antisense oligonucleotide; modulate; gene expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-0CT-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (BIOG-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rb gene antisense oligonucleotide rb-N-132.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The ENA's can inhibit collagenase and stromelysin production in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          y Match 0.6%;
Local Similarity 86.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                      Matches
                                                                                                                            Query Match
                                                                                                                                                                                                               oligomucleorides can also be used to analyse function of proteins (by altering their expression or activity) and therapeutically, e.g. in cases of cancer or (targeting TGF) for stimulating the immune system.
                                                                                                                                                                                                                                                                                  cytosines, and the ratio between residues able to form two H-bonds each (ZR) or three such bonds (SR) is given by SR/RR o.33-0.72. The oligomucleotides are used to modulate expression of genes, particularly the genes for p33, ERS-2, jumB, jump, 767-bets 1 or bets 2 to control proliferation of primary cell cultures (e.g. bone marrow stem, liver or kidney cells, osteoblasts and/or textinopyces). The
                                                                                                                                                                     Sequence 15 BP; 5 A; 0 C; 2 G; 8 T; 0 other;
                                                                                                            Local
                                         985 TGATTTTGAGATTAA 999
1 TGATTTTGAATTTAA 15
                                                                                                         h 0.6%;
Similarity 86.7%;
                                                                                      Conservative
                                                                                      <u>.</u>
                                                                                                      Score 11.8; DB 1;
Pred. No. 2.4e+02;
                                                                                      Mismatches
                                                                                                                            Length 15;
                                                                                      Indels
                                                                                      0
                                                                                  Gaps
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0

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RESULT 323 AAV49184/c AAV49184; rb gene antisense oligonucleotide rb-N-132. 15-OCT-1998 AAV49184 standard; DNA; 15 BP (first entry)

Synthetic Homo sapiens

rb gene; antisense oligonucleotide; modulate; gene expression;

88

31-JAN-1997; 05-AUG-1998 EP856579-A1 97EP-0101531

(BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK 97EP-0101531

Brysch W. Schlingensiepen K;

WPI; 1998-400910/35.

Preparation of antisense oligo:nucleotide(s) which lack long runs of consecutive guanosine or inosine - and have specific ratio of residues able to form two or three hydrogen bonds, have greater activity and reduced toxicity, used therapeutically or to modulate cells in culture

Example 7; Fig 9c; 286pp; English.

consecutive cytosines, do not contain two sequences of three consccutive mucleotides and able to form three thands to three consecutive cytosines, and the ratio between residues able to form two H-bods seath (2R) or three such bonds (3R) is given by R/A = 0.33 0.72. The oligomachetides are used to modulane supression of genes, particularly the genes for p3, BrB-2, jumb, ngh-beta 1 or beta 2 to control proliferation of prinary cell cultures (e.g. bone marrow stem, liver or

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RESULT 324
AAX31435
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                                                                   AAX/0947-31915 represent tag sequences of transcripts that are cancer; or in both. The tag sequences can be used to identify comes by matching the tag to a gent data has emmbler, or by using the tag sequences as probes to isolate unidentified genes from 200MA libraries. The tag sequences can also be used in amethod for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comprises comparing the level of at least one transcript in a first sample of a tissue to a second sample, where the first sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AA30947-31015. The method conformation can be used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 13
   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 kidney cells, osteoclasts, osteoblasts and/or keratinocytes). The oligomucleotides can also be used to analyse function of proteins (by altering their expression or activity) and therapeutically, e.g. in cases of cancer or (targeting TGF) for stimulating the immune system.
                                                                                                                                                                                                                                                                      Use of isolated gene transcripts - useful for developing products for the diagnosis, prognosis and treatment of cancers, particularly colon and pancreatic cancer
                                                Sequence 15 BP; 3 A; 2 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                  Claim 1; Page 50; 120pp; English
                                                                                                                                                                                                                                                                                                                         WPI; 1999-070161/06
                                                                                                                                                                                                                                                                                                                                               Kinzler KW,
                                                                                                                                                                                                                                                                                                                                                                    (UYJO ) UNIV JOHNS HOPKINS
                                                                                                                                                                                                                                                                                                                                                                                            21-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9853319-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tag sequence; colorectal cancer; pancreatic cancer; colon cancer; diagnosis; prognosis; treatment; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tag sequence of a transcript decreased in colorectal cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-MAY-1999
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            y Match 0.6%;
Local Similarity 86.7%;
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   Conservative
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Pred. No. 2.4e+02;
             Pred. No. 2
   Mismatches
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            2.46+02;
                        DB 1;
                      Length 15
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AAX30954
ID AAX309
XX
AC AAX309
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AAX14674
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2232823
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Best Local S
Matches 13
          AAX14674;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
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Tag sequence; colorectal cancer; pancreatic cancer; colon cancer; diagnosis; prognosis; treatment; ss.
                                                                                                                                                                                                                               AAX30954 standard; DNA; 15 BP
                                                                           Tag sequence of a transcript increased in colorectal cancer.
                                                                                                                                                                                                                                                                                                                                                      CATGIGGIGIATGCA
                                                                                                                              (first entry)
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97US-0047352 98WO-US10277

WPI; 1999-070161/06 Vogelstein B JOHNS HOPKINS

CO AMA30947-31415 represent tag sequences of transcripts that are contributed to the contribute of the contribution of the contribute of the contribution of the contribute of Use of isolated gene transcripts - useful for developing products for the diagnosis, prognosis and treatment of cancers, particularly colon and pancrestic cancer Claim 2; Page 22; 120pp; English

Sequence 15 BP; 3 A; 2 C; 5 G; 5 T; 0 other; Local Similarity Conservative 0.6**%**; 86.7**%**; 0 Pred. No. Score 11.8; DB 1; Mismatches 2.4e+02; Length 15; 0 Gaps

0

954 CATGTGTTGTGCA 968

AAX14674 standard; DNA; 15

24-MAR-1999 (first entry)

8

954 CATGTGTTGTGCA 968

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RESULT 327
ARZ60708/c
II ARZ60708/c
XX ARZ607
XX ARZ607
XX I6-MAI
XX Nuclec
XX Nuclec
XX Human,
XX Human,
XX W
PN W02000
XX W02001
XX 27-JAI
XX 14-JU;
XX 14-JU;
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Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         resporter DNA, where either a part of the anchor DNA or reporter DNA is designed to form a triple-stream termine with part of the test sequence. Triplex formation results in displacement of the reperson which is detected as an indication of the presence of the DNA test sequence. The method is used to detect DNA sequences, particularly for identification of bacteria (by detecting genes for ribosomal RNA) in clinical samples, but also detection of oncognes and Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence represents a potential triple-helix forming region. It can be used to demonst rate the assay of the invention. The assay comprises adding a sample containing double-stranded DNA test sequences, e.g. containing the present sequence, to an aqueue sequence and the containing at least one complex of anchor DNA, attached to a solid support, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of enchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                14-JUL-1999;
                                                27-JAN-2000
                                                                              WO200004132-A1
                                                                                                                                           Human; lactoferrin; mass production; antibacterial; ss
                                                                                                                                                                         Nucleotide sequence of an amplified human lactoferrin fragment
                                                                                                                                                                                                         16-MAY-2000
                                                                                                                                                                                                                                       AAZ60708;
                                                                                                                                                                                                                                                                      AAZ60708 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-130384/11
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29-OCT-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JAN-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Triple helix forming nucleotides 144-158 of gamma-crystallin gene
                                                                                                                                                                                                                                                                                                                                                                                   915 AAAATGAGAAAAGAG 929
                                                                                                                                                                                                                                                                                                                                                                                                                 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 12 A; 0 C; 2 G; 1 T; 0 other;
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                                                                                                                                                                                                         (first
                  99WO-KR00373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93US-0173489
92US-0968436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93US-0173489
                                                                                                                                                                                                       entry.
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Pred. No. 2.4e+02;
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AAD15782/c
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Best Local Similarity
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Hong SS,
                                                                                                                                                                                                                                                                                                                                                                                                                                          AAD15782 standard; DNA; 15 BP
           WPI; 2001-522460/57
                                            Anastasio AE,
                                                                                                          08-FEB-2000; 2000US-0181059.
                                                                                                                                    08-FEB-2001; 2001WO-US04130.
                                                                                                                                                                       16-AUG-2001
                                                                                                                                                                                                     WO200158914-A2
                                                                                                                                                                                                                                                                 ASO; allele-specific oligonucleotide; ss
                                                                                                                                                                                                                                                                             Human; interleukin 15; IL-15; gene therapy, chromosome 4g31; infection; drug screening; anthropological lineage; paternity testing HTV, primer; Human Immunodeficiency Virus; forensic application; T-cell leukaemia;
                                                                                                                                                                                                                                                                                                                                              Human interleukin 15 (IL-15) gene polymorphism detecting ASO primer #30
                                                                                                                                                                                                                                                                                                                                                                                15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                               AAD15782
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13-JUL-1999;
                                                                                                                                                                                                                                     domo sapiens.
                                                                          GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Joo IS,
Lee H;
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                                         Chew A,
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밁 Ś

Denton RR,

Nandabalan K,

Stephens JC;

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Or The present sequence represents an amplified fragment of the human content upon, derived from primer B (see ARZG0705). The encoded peptide contents the distmbhide systeine bond. The amplified fragment contents and used in the method of the invention. The specification describes a method for the mass production and culture of lactoferrin polypeptides from micro-organisms. The method uses plasmid vectors to reinstorm yeast cells that are resistant to lactoferrin polypeptides. Or contenting the production of the ambigocrarial peptides produced, the number of contentinating organisms is reduced whilst maintaining high polypeptide production rates. The micro-organism is content in the mass production of lactoferrin polypeptides. The micro-organism can also be used to produce other antiboceral poptides that are difficult to mass produce due to their shifty to slow down
                                                                                                                                                                                                                                                         Sequence 15 BP; 6 A; 1 C; 3 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                      the growth of, or even kill, host cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 2; Page 8; 24pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lactoferrin polypeptides used as e.g. bactericides or growth promoters, are mass produced from genetically engineered micro-organisms -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SAMY-) SAMYANG GENEX CORP
                                                   998 AAATCTCTTGATGAA 1012
15 AAATCTCTTTATGCA 1
                                                                                                                               Conservative
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99KR-0029042
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                                                                                                                                                      86.7%;
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                                                                                                                                                      Score 11.8; DB 1;
Pred. No. 2.4e+02;
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                                                                                                                               Indels
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AM119694
AM119694
ID AM11969
XX AM11969
XX AM1196
XX AM1197
ID Human
XX Hum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel polymnoleorides comprising one of 11, PS1-PS11, single nucleotide polymorphisms in human interleukin-15 gene, and useful for treating disorders affected by expression of function of interleukin-15 isogene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             blocking primer; polyamide backbone; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; transcription factor; ISGF-3B; PNA; peptide nucleic acid; cDNA synthesis inhibition; nucleic acid amplification inhibition,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human transcription factor ISGF-3B sense PNA-oligomer
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                                                                                                                                                                                                                                                                                                                                                                                                                   modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the isogene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            987 ATTITGAGATTAAAT 1001
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Similarity 86.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                  1...
/*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                a "This sequence is a peptide nucleic acid, i.e. it contains a polyamide backbone instead of a decoyribose backbone. The sequence is labelled with biotin"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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The present sequence is a poptide nucleic acid (PN)-oligomet specific contranscription factor 1802-191 it was used to inhibit the first stand colls, springers at polya mixth included from human Mc-3 colls.

Read colls, springers at polya mixth included from human Mc-3 colls. The sequence of the sequen
Sequence 15 BP; 3 A; 5 C; 3 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Selectively inhibiting amplification of target nucleic acid in population of nucleic acid molecules -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oemar BS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-NOV-1999; 99US-0162943
27-OCT-2000; 2000US-0162943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-NOV-2000; 2000WO-US41798
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 1; Page 7; 17pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CURA-) CURAGEN CORP
                                                                             sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Simons JF
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Matches
                                            Query Match
Best Local Similarity
            878 CAGACTIGGCACCCA 892
                                     13;
CAGTCTTGGCACCTA 15
                                       Conservative
                                              0.6%;
                                     0
                                            Score 11.8;
Pred. No. 2.
                                       Mismatches
                                              .4e+02;
                                                         DB 1;
                                                        Length
                                       Indels
                                       0
                                       Gaps
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0

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AAF80936 standard; DNA; 15 BP

AAF80936;

02-MAY-2001 (first entry)

PTGS2 allele specific oligonucleotide probe SEQ ID 42

Human; prostaglandin-endoperoxide synthase 2; PTGS2; cyclooxygenase 2; single nucleotide polymorphism; SNP; immune-related disorder; arthritis; inflammation; probe; ss

WO200107662-A1 Homo sapiens.

24-JUL-2000; 2000WO-US20114

22-JUL-1999; 99US-0145170

(GENA-) GENAISSANCE PHARM INC

WO200132931-A2

Denton RR, Nandabalan K, Sanchis A, Stephens JC, Tanguay DA;

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AAP70327

1D AAP70327

1D AAP70327

1D AAP7027

AC AAAP7027

AC AAP7027

AC AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 control the invention relates to a polymurbloctide sequence that is polymorphic covariant of the human prostaglanding endoughed the prost of the human prostaglanding endoughed sequence and sequence can be referred to as cyclocoygenase 2. The human prost gene sequence covariants 27 single muclectide polymorphisms (SNPs). AN80895 and CARRO895 or contains 27 single muclectide polymorphisms (SNPs). AN80895 and care used to isolated by AN87195. The invention includes PCR and sequencing primers, and probes represented in AN808989. AN81181 which could be a sequenced and characterise the PCRS2 gene sequence, and to colorate the positions of the SNPs. PTGS2 proteins and polymuclectide analysis or drug-binding studies and also in gene therapy (sieher compressing PTGS2 or inhibitory RNA). Antibodies raised against PTGS2 are used to repressing PTGS2 or inhibitory RNA). Antibodies raised against PTGS2 are useful for dagnosis, promosis and therapy and analysis of the new, and compressing PTGS2 or inhibitory RNA). Antibodies raised against PTGS2 are useful for dagnosis, promosis and therapy and particularly consciptions of the propose to determining association between a particular trait, e.g. and control proposition of the propose to determine pTGS2 and the particularly consciption of the propose to determine pTGS2 and the particularly consciption of the particularly consciption of the particularly consciption of the particular particular particularly consciption of the particular particularly consciption of the particular particularly consciption of the particular par
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human, dopamine receptor D2; DRD2; polymorphism; allele specific; drug target isogene; detection; single nucleoride polymorphism; SNP; genotype; schizophrenia; Parkinson's disease; myoclonus dystonia; MD
                                              Chew A,
                                                                                                                                                                                                                                                             19-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                 19-JUL-2000; 2000WO-US19644.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200105832-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human DRD2 allele specific oligonucleotide primer SEQ ID NO:70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF70327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAF70327 standard; DNA; 15 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 22; 118pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid containing polymorphisms in the cyclooxygenase-2 group therapy of inflammation and for establishing a genotype or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-182805/18
                                                                                                                                                         (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15 AAGACGTCAAAACTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer;
                                                     Denton RR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                             99US-0144493
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                                              Duda A,
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Pred. No. 2.4e+02;
                                              Nandabalan K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                              Stephens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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dystonia (Mp). This information would be useful for studying the control of DND2 as well as in identifying drugs targeting this protein for the treatment of disorders related to the Amnormal expression or function, Bolymorphisms in the DND2 gene affect the Congression of function, Bolymorphisms in the DND2 gene affect the Congression of active and functional polyagetides. Therefore it is a darkningages to detect polymorphisms in the DND2 gene and how those conjunctions are combined in different copies of the gene. AM70261 to AM70300 represent human DND2 allale specific conjunctional polyagetides. The protein the DND2 allale specific conjunctional primers which are used in the detection of DND2 allale specific conjunctions. AM70405 to AM70421 represent oligonucleotide primers for the detection of them DND2 polymorphisms which are given in the compilification of the present invention. AM70431 to AM70338 represent Congression of the present invention. AM70431 to AM70338 represent congression of the present invention. AM70431 to AM70338 represent congression in the compilification of the present invention. AM70431 to AM70338 represent congression in the compilification of the present invention. AM70431 to AM70338 represent congression in the compilification of the present invention. AM70431 to AM70338 represent congression in the congression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Polynuclectides comprising single nucleotide polymorphisms in the human dopamine receptor D2, useful for detecting mutations associated with, e.g. schizophrenia, Parkinson's and myoclonus dystonia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes polynucleotides comprising single nucleotide polynucleotide polynucleotide polynucleotide polynucleotides may be used in assays to detect and characterise polynucleotides may be used in assays to detect and characterise polynucleotides may be used in essays to detect and charactery and are polynucphisms in DRD2 that affect its expression and activity and are involved in disapreters such as schizophrenia, Parkinson's and mycolomus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-091967/10
                                                                                             present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 15; Page 23; 135pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (DRD2).
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Sequence 15 BP; 1 A; 1 C; 8 G; 5 T; 0 other;
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Matches
                             Query Match
Best Local Similarity
948 GIGGICCAIGIGING 962
                    Conservative
                             0.6%;
                 Score 11.8; DB 1; L
Pred. No. 2.4e+02;
Pred. No. 2.4e+02;
                    0
                                       Length 15;
                    Indels
                    0
                  Gaps
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## RESULT 332 AAF49687/c ID AAF496

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1 GTGGTGCATGGGTTG 15

- AAF49687 standard; DNA; 15 BP
- 22222222222222 30-MAR-2001 (first entry)
  - IGF-I oligonucleotide #647.
  - Antisense therapy, antiproliferative; antiinflammatory, antipsoriatic, cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF. pityriasis; skin disorder; Insulin-like Growth Factor Interpetor; IGF. pityriasis; (GF binding protein, IGFBP-2; IGFBP3; inflammation, psoriasis; pilaris; growth factor mediated call proliferation; inthypsis; serbornhoes; ruba; keratosis; neoplasis; gcleroderma; wart; skin cancer; sclerotic disease; keratosis; neoplasis; gcleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease;

neovascular condition of the retina; ss.

WO200078341-A1

# 28 B

- 28-DEC-2000
- 21-JUN-2000; 2000WO-AU00693
- 21-JUN-1999; 99US-0140345
- (MURD-) MURDOCH CHILDRENS RES INST.
- Wraight CJ, Werther GA, Edmondson SR;

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RESULT 33

ARF5072)(c AF5072)(c AF50
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Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense therapy, antiproliferative; antistflammatory, antipocitic, cytostatic, demanded price and anti-structure, opthalmological, keloid, skin disarder; Insulin-like Growth Pactor I receptor; IGP-1, pityrianis; IGP binding procein, IGPP-2, IGEPS), inflammation, poortasis, pilaris; IGP binding procein, IGPP-2, IGEPS), inflammation; bondrasis, pilaris; growth factor mediated cell proliferation; Ichthyosis; sebrotribes; ruba; keranosis; neoplassis; scieroderma; wart, 9th cancer; sclerotic disease; yperneovascular, condition, hyperplassa; kidney disease; yperneovascular, condition, hyperplassa; kidney disease;
Ameliorating the effects of a disorder, e.g. psoriasis, administering UV (ultra-violet) treatment (optional) and
                                                                                                          WFI; 2001-041421/05
                                                                                                                                                                              Wraight
                                                                                                                                                                                                                                                                                                                                                                      21-JUN-2000; 2000WO-AU00693
                                                                                                                                                                                                                                                                                                                                                                                                                                              28-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W0200078341-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IGF-I oligonucleotide #1683.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAF50723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 15 BP; 4 A; 6 C; 2 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ampliorating the effects of a disorder, e.g. portiasis, by administering UV (ultra-volet) treatment (optional) and an antis nucleic acid that inhibits or reduces growth factor mediated cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   proliferation and/or inflammation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         800 AGCAGCTGTTGTTGT 814
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                                                                                                                                                                                                                                        MURDOCH
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                                                                                                                                                                                                                                        CHILDRENS RES INST
                                                                                                                                                                         GA,
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                                                                                                                                                                         Edmondson SR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 11.8;
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PROPERTY OF A STANK PROPER
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AAF51599/c
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of skin disorders. The method comprises contacting the skin with an antisense oligonucleotica (for Insulin-like Growth Ractor [IGR]) receptor IGF binding protein [IGFPP] 2 or IGFPS]), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense oligonucleotide of the present invention (see AR4S151 and AR4S152-R45161). The method is useful for ameliorating the effects of psoriasis, following the structure of the service of the skin, alternative condition such as a neversecular condition of the skin, a typermovascular condition unch as a neversecular condition of the skin, a typermovascular condition such as a neversecular condition of the skin, a typermovascular condition such as a neversecular condition of the skin, a typermovascular condition such as a neversecular condition.
Sequence 15 BP; 6 A; 4 C; 3 G; 2 T; 0 other;
                                                                                                                    sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid that inhibits or reduces growth factor mediated cell
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Query Match Best Local 796 ATGTAGCAGCTGTTG 810 15 AIGITCCAGCIGITG 1 Similarity Conservative 0.6%; 0 Score 11.8; DB 1; Pred. No. 2.4e+02; Mismatches Length Indels 0; Gaps 0

30-MAR-2001 AAF51599 standard; DNA; 15 BP. IGF-I oligonucleotide #2559. (first entry)

Antisense therapy, antiproliferative, antiinflammatory, antipsoriatic, cytostatic, dematological, cardiant; virucide, optimal andological, keloid, skin disorder, insulin-like Growth Rattor 1 receptor, KGF-1, pityviasis, such induling process, 106803, 106803, inclammation, psoriasis, platis, growth factor process, property profiteration; inchipsosis, sectorriboes, rubas, keratoosis, neoplasia, scleroderma, wart; skin cancer; sclerotic disease; hyperneovascular condition, byperplasia, kidney disease; neovascular condition of the retina, ss. WO200078341-A1

Homo sapiens.

28-DEC-2000

21-JUN-2000; 2000WO-AU00693.

21-JUN-1999; 99US-0140345

(MURD-) MURDOCH CHILDRENS RES INST.

Wraight CJ, Werther GA, Edmondson SR;

WPI; 2001-041421/05

Ameliorating the effects of a disorder, e.g. peoriasis, by administering U (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation -

Example 8; Page 77; 201pp; English

an antisense

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AAF52308/c
ID AAF52
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                                                                                                                                             Example 8;
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                                                                                                                                             82;
                                                                                                                                        201pp; English
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The invention relates to a collection of phagenids that comprise (1) promoter of the Sacherichia coll phageshock protein (psp) operon link to a gene encoding a fusion between a peptide and a filamentous, single-etrand bus, phage cost protein, or its fragment, (11) origin of replication (ori) from the specified phage and (11) plasmid origin of
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Pactor [167]-1

mprise (i) the operon linked

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Disclosure; Fig 1, 19pp; English
                                                                                          Collection of phagemids, useful for phage display of includes a promoter induced by expression of gene IV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      receptor, IGP binding protein [IGRB9]-2 or IGRB93], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligomucleotide which can be used to design the antisense oligomucleotide of the present invention (see APF4513 and APF4513-745161). The method is useful for ameliorating the effects of marchiasia, inhibitoria with instance and appears to the contraction of the province of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention (see APF4513 and the effects of the present invention).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     phage display; potato
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                                                                                  Bosch D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred.
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                                                                                                                                                                                                                                                                                                                                                                                      Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      No. 2.4e+02
                                                                                                                                                                                                                                                                                                                  Jongsma M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protease inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                  Stiekema W;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                          of filamentous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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ABK14994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ce replication. The pap promoter is induced by expression of gent TV of illamentous phage. And included its collection of E. coll clones or coll metal to provide the phage into a collection of E. coll clones or collection that the phage into a collection of E. coll clones or collection that the phage into a collection of E. collection that the phage into a collection of E. coll
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Best Local
The invention relates to a collection of phagemids that comprise (i) the promoter of the Escherichia coll phage-shock protein (psp) operon linked to a gene encoding a fusion between a peptide and a filamentous, single-strand DNA phage coat protein, or its fragment, (ii) origin of replication (or) from the specified phage and (iii) plasmid origin of replication. The psp promoter is induced by expression of gene IV of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Phagemid; ds; phage-shock protein promoter; psp; PI2; mutant; plant; filamentous phage gene IV; phage display; potato protease inhibitor.
                                                                                                                                                                                                                                                                                                                Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Collection of phagemids, useful for phage includes a promoter induced by expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US6333187-B:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Solanum tuberosum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 15 BP; 3 A; 6 C; 3 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-153823/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beekwilder J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABK14994 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jovanovic G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (PLAN-) CENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGCCCCCGAAATTGC 15
                                                                                                                                                                                                                                                                                                          Column 19; 19pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLANTENVEREDBLINGS EN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rakonjac J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0163540
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers replace (6,G) /*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    86.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bosch D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                display
of gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                            검유
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stiekema W;
                                                                                                                                                                                                                                                                                                                                                                                                                                      of filamentous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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                                                                                                                       filamentous phage. Also included is a collection of B. coli clones or cells that represent the phagemids, where the phagemids are in plasmid form. The phagemids are useful for phage display to identify peptide variants having a particular binding specificatry, especially modified plant protease inhibitors (e.g. poctac protease inhibitors (P2) that bind strongly to gut proteases in insects. The specified promoter provides satisfactory control over the fusion gene, and alminates the need for delicate washing (to remove glucose) required for switching on the conventional promoter, particulatly useful for large scale production of phage libraries in fermenters and in automated display processes.
Sequence 15 BP; 3 A; 6 C; 3 G; 3 T; 0 other;
                                                              e present sequence is a DNA encoding a representative mutant domain 2 potato PI2 as expressed by the phagemid library.
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### Matches Query Match Local Similarity Conservative 86.7%; 0.6%; 0 Score 11.8; DB 1; Pred. No. 2.4e+02; D; Mismatches 2 DB 1;

Length 15;

0

Gaps

0

701 TGTACCCGAAATTGC 715 ٠, TGCCCCCGAAATTGC 15

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RESULT 338
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ABK31907 standard; DNA; 15
                    (first
                    entry)
                                                           βP
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Human colon cancer SAGE tag 23-APR-2002 ABK31907;

cancer marker; analysis of gene expression; diagnostic; prognostic; probe; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag; SS

Homo sapiens

US6333152-BJ

25-DEC-2001

20-MAY-1998; 98US-0081646

20-MAY-1998;

98US-0081646

(UYJO ) UNIV JOHNS HOPKINS

Kinzler ₹, Zhang L,

Zhou

WPI; 2002-153821/20

diagnostic markers for cancer, also derived probes New human nucleic acid containing specific SAGE tags, useful

Disclosure; Column 13; 161pp; English

10 ARX31901
11 ABXX11901
12 ABXX1201
12 AB that has the same sequence as a mRNA found in humans and is a SRE (serial analysis of gone expression) tag comprising a single stranded probe containing at least 10 consecutive mucleotides SASE tags and diagnostic and proposetic markers of cancer sepochally of the colon and pancreas. AEXI-1907.AEXI-1770 represent human colon and pancreatic cancer The invention relates to an isolated, purified human nucleic acid (I)

SAGE tags of the invention.

Sequence 15 BP; 3 A;

2 C; 5 G; 5 T; 0 other;

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Matches
          Best Local
                 Query Match
         Similarity
  Conservative
         86.7%;
         Score 11.8; DB 1;
Pred. No. 2.4e+02;
  Mismatches
Length 15;
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RESULT 340
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                                                                                                                                                                                                                                                                                   Matches
Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; o-cleavez; ambezzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; concersion cancer; brain cancer; cancer; brain cancer; pancreatic cancer; brain cancer;
                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an isolated, purified human nucleic acid (1) that has the same sequence as a mBNA found in humans and is a SAGE (serial analysis of gene expression) tag compxising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK31901-ABK32770 represent human colon and pancreatic cancer.
                                                                     Necrosis factor kappa B sub-unit modulating enzyme target #127
                                                                                                     03-JUN-2003
                                                                                                                                  ACA09934;
                                                                                                                                                        ACA09934 standard; RNA; 15 BP
                                                                                                                                                                                                                                                                                                                                        Sequence 15 BP; 3 A; 2 C; 5 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Column 55; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New human nucleic acid containing specific SAGE tags, useful as diagnostic markers for cancer, also derived probes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-153821/20
                                                                                                                                                                                                                                                                                                                                                                    SAGE tags of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYJO ) UNIV JOHNS HOPKINS
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                                                                                                                                                                                                                                                        954 CATGTGTTGTGTGCA 968
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   colon cancer SAGE tag #490
                                                                                                                                                                                                                                                                                               h 0.6%;
Similarity 86.7%;
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                                                                                                                                                                                                                            CATGTGGTGTATGCA 15
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                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                               Score 11.8; DB 1;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zhang
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                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                           Length 15;
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15-AUG-1994;
07-DEC-1992;
18-MAY-1994;
23-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           eervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma, glioma; multidrug resistant cancer, BeL-A-specific inhibitor; chemotherapy; peclitaxel; docetaxel, clisplatin, methotrexate; cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-340953/32.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MCSW/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DRAPER K G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STINCHCOMB D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94US-0245466
96US-0777916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      94US-0291932
92US-0987132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Draper KG
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treating cancer, inflammatory disorders and autoimmune diseases -Novel enzymatic nucleic acid molecules which down regulates expression a sequence encoding a subunit of nuclear factor kappa B useful for

Claim 3; Page 63; 72pp; English

kappa B (hyps) where ()) is expensed an account of mountain the mountain of mountain continuation (mine apparent and interpretation (mine apparent) and an interpretation (mine apparent) and apparent (mine apparent) apparent (mine appar The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor enzymatic nucleic acid molecule.

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Sequence 15 BP; 1 A; 6 C; 1 G; 7 U; 0 other;
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                              Matches
                                              Query Match
                                       Local
             918 ATGAGAAAAGAGAGG 932
                                       Similarity
                              Conservative
                                     86.7%;
                                             0.6%;
                              0
                                      Pred. No.
                                           Score 11.8;
                              Mismatches
                                    2.4e+02;
                                              DB
                                            Length 15
                             0;
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RESULT 341
AA0680942/G
ID AA0680
XX
AC CLAIM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 13
                                                                                                                                                                      Hepatitis C virus; HCV; probe; genotyping; hybridisation; non-A, non-B hepatitis; NANBH; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genotyping HCV utilises probes hybridising to HCV isolate domains. HCV types 2, 3, 4, 5 or 6 and subtypes 1a, 1b, 2a, 2b, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 4e, 4f, 4g and 4h dan be typed. (Updated on 25-MAR-2003 to correct PN field.)
                         09-JUN-1994
                                                                        WO9412670-A2
                                                                                                                       Synthetic
                                                                                                                                                                                                                                                   Probe for HCV
                                                                                                                                                                                                                                                                                                  25-MAR-2003
16-DEC-1994
                                                                                                                                                                                                                                                                                                                                                                          AAQ68049
                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ68049 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16 BP; 5 A; 2 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 6; Page 67; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Process for genotyping Hepatitis C utilises probes hybridising to HCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1994-200296/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Maertens G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-NOV-1992;
31-AUG-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9412670-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis C virus; HCV; probe; genotyping; hybridisation; non-A, non-B hepatitis; NANBH; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Probe for HCV genotyping (HCV 4, subtype 4c)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
16-DEC-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ68042;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAATTTCCGAGCATT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rossau R,
                                                                                                                                                                                                                                                                                                  (updated)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (updated)
(first entry)
                                                                                                                                                                                                                                           genotyping (HCV 4, subtypes 4c; 4g and 4h (provisional))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92EP-0403222
93EP-0402129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93WO-EP03325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                          DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16
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                                                                                                                                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 11.8; DB 1;
Pred. No. 2.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           virus (HCV) isolates isolate domains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Van Heuverswyn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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Query Match
Best Local Similarity
Matches 13; Conserva
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                    S
                                                                                                               Genotyping HCV utilises probes hybridising to HCV HCV types 2, 3, 4, 5 or 6 and subtypes 14, 1b, 2a, 3c, 4a, 4b, 4c, 4d, 4e, 4f, 4g and 4h can be typed (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                       27-NOV-1992;
31-AUG-1993;
                                                                                          Sequence 16 BP; 3 A; 2 C; 6 G; 5 T; 0 other;
                                                                                                                                                                         Claim 6; Page 67; 96pp; English.
                                                                                                                                                                                               Process for genotyping Hepatitis C virus (HCV) isolates utilises probes hybridising to HCV isolate domains
                                                                                                                                                                                                                                   WPI; 1994-200296/24.
                                                                                                                                                                                                                                                         Maertens G,
                                                                                                                                                                                                                                                                               (INNO-) INNOGENETICS NV SA
                                                                                                                                                                                                                                                                                                                                         26-NOV-1993;
                  1027 CAAAATTTCCAAGCA 1041
 15
CCAMATTTCCAGGCA 1
                                              Conservative
                                                                                                                                                                                                                                                         Rossau R,
                                                                                                                                                                                                                                                                                                       92EP-0403222
93EP-0402129
                                                                                                                                                                                                                                                                                                                                         93WO-EP03325
                                                      86.7%;
                                                                                                                                                                                                                                                         Stuyver L,
                                            0;
                                                      Score 11.8; DB 1;
Pred. No. 2.7e+02;
                                              Mismatches
                                                                                                                                                                                                                                                         Van Heuverswyn H;
                                                                                                                                      HCV isolate domains, 2a, 2b, 3a, 3b,
                                              2
                                                                  Length
                                              Indels
                                                                    16
                                            0;
                                          Gaps
                                              0
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RESULT 343 AAV49185 ID AAV491 AAV49185 standard; DNA; 16 BP

AAV49185

15-OCT-1998

rb gene antisense oligonucleotide rb-N-133. (first entry

rb gene; antisense oligonucleotide; modulate; gene expression; ss

\*\*\*\* Synthetic. Homo sapiens.

EP856579-A1

05-AUG-1998

31-JAN-1997; 97EP-0101531.

31-JAN-1997; 97EP-0101531.

(BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK

Brysch W, Schlingensiepen R;

WPI; 1998-400910/35

Preparation of antisense oligo:nucleoride(s) which lack long runs consecutive guanosine or inceine and have specific ratio or residues able to form two or three hydrogen bonds, have greater activity and reduced toxicity, used therapeutically or to modulate growth of cells in culture of fr

Example 7; Fig 9c; 286pp; English.

AAV49008-236 represent antisense oligonucleotides directed against the rb gene. Of these, only oligonucleotides AAV49008-52 resulted in effective downersulation of negative growthes proceed by rb, while oligonucleotides AAV49032-236 had little effect. The oligonucleotides

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ce exemplify the invention. The specification describes oligonuclocides that contain a 30 nucleotides which contain at most a nucleotides of that can be also form three hydrogen bonds to optocain at most a nucleotides as the control of the contain two sequences of these consecutive consecutive of the contain two sequences of these consecutive consecutives and the ratio between residues able to form the honds of the contain two sequences are the contained by the contained of the contained of the contained by the contained of the contained of the contained by the contained of the contained
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                                    This oligonucleotide primer, termed ZC19676, was used in a method of the invention. The invention relates to zins (see ANYS570), a novel member of the invulin/relaxin family whose gene maps to a region of chromosome I that correlates with a heritable form of morinsulin dependent diabetes mellitus (NIDDM). The invention provides methods for identifying abnormalities in expression of provides methods for identifying abnormalities in expression of zins jabat are a factor in causing or predisposing, a person to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying mutations in human chromosome 1931, preferably a zina3 gene
mutation, comprises using an insulin/relaxin family member (designated
zina3), useful for diagnosing non-insulin dependent diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2ins3; insulin; relaxin; human; NIDDM; diagnosis;
non-insulin dependent diabetes mellitus; PCR primer; ss
some defect in glucose metabolism,
                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 47; 51pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jaspers SR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-FEB-2000; 2000WO-US03515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ZYMO ) ZYMOGENETICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     POCHT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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99US-0250125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lofton-Day CE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
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RESULT 345
AAD31911
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Microbial virulence factor, genetic predisposition, Alzheimer's disease, Parkinson's disease; schizophrenia; frontotemporal lobe dementia, preditary multi-infacro dementia, primary X-linked mental retardation; dementia; myopathy, familial British dementia; psychiatric disorder;
Claim 6; Page 24; 52pp; English
                                                                                                  Use of DNA sequence having fragment of nucleic acid encoding putative microbial virulence factor useful for identification of disease e.g.
                                                                        Alzheimer's disease, caused by mutations or for genetic predisposition
                                                                                                                                                                              WPI; 2002-241910/29
                                                                                                                                                                                                                                                                                                                            16-AUG-2000; 2000WO-IB01127
                                                                                                                                                                                                                                                                                                                                                                               15-FEB-2001; 2001WO-IB00189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200214546-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rickettsia prowazekii.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transgenic animal; beta-globin; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rickettsia prowazekii beta-globin DNA
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                                                                                                                                                                                                                                                                                (FRIT/) FRITZSCHE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 692 ACTGATTGCTGTACC 706
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86.7%;
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Pred. No. 2.7e+02;
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Free peart of a inventage of the control of the con The present invention relates to the use of a DNA sequence comprising a

Sequence 16 BP; S A; 4 C; S G; 2 T; 0 other

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                                                                                                     This invention describes novel oligonucleoride primers or peptide nucleic acid (PNN) oligoners for detecting single nucleicide polymorphisms (SNP) and cytosire methylation status in chemically pretreated genomic DNN. The oligonucleorides are used for disponests and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABIO0010-ABIO973 represent the oligoners described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at fip wipo.int/pub/published_pot_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CBI protein). The present sequence is Rickettsia prowazekii NNA encoding beta-globin protein, a virulence factor protein. This sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                      Claim 1; SEQ ID 7955; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                         07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200177384-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Oligonucleotide SEQ ID NO 7955 for detecting SNP TSC0002247.
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                                                                                     Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 1 other;
                                                                                                                                                                                                                                                                                      designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                Set of oligonucleotides, useful for diagnosis and cell typing,
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                                                                                                                                                                                                                                                                                                                                                                    (EPIG-) EPIGENOMICS AG
                                                     Local Similarity
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   N
                                                                                                                                                                                                                                                                                                                                             Piepenbrock C,
 GATTITGAGATY 13
                      GATTTTGAGATT 997
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                                           Conservative
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                                                   Score 11.6; DB 1;
Pred. No. 2.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 11.8;
                                           Mismatches
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RESULT 347
ABC07965/c
ID ABC07965 standard; DNA; 13 BP.
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Best Local S
Matches 11
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NECOMOIO-AEC99889, AEF00010-AEF99889, AEH00010-AEH998989 and
21-FEB-2002
                                                                                                                ABC52584 standard; DNA; 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABIOO010-ABI82073 represent the oligomers described in the invention. 
NOTE: The sequence data for this patent did not form part of the printed 
specification, but was obtained in electronic format from WIFO at
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methylation status
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                                                                                                                                                                                                                                                                GATTITGAGATY 1
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Pred. No. 2.1e+02;
1; Mismatches 0;
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SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; Oligonucleotide SEQ ID NO 52601 for detecting SNP TSC0014585

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                                                07-APR-2000; 2000DE-1019173
                                                                                                    06-APR-2001; 2001WO-IB00713
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                                                                                                                                                                                                                                                                                          SNP; single nuclectide polymorphism; human; diagnosis; PNA; cancer; CNB; peptide nuclectide acid; cyteosite methylation; cardiovasoular; primer; may central nervous system; gastrointestinal; respiratory; immune; methobilo
                                                                                                                                                                                                                                                                                                                                                                                                  Oligonucleotide SEQ ID NO 52602 for detecting SNP TSC0014585
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nes 11; Conserv
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91.7%;
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Pred. No. 2.1e+02;
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Claim 16; Page 14; 110pp; English
                                            Novel generic variants of matrix metalloproteinase 13 (collagenase 3) gene useful in studying expression and function of the protein, and for screening drugs to treat diseases e.g. cancer and arthritis -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and pyrosine merbylation status in chemically pretrasted genomic DNA. The oligonucleotides are used for disposals and/or prognosis of cancer and a range of diseases including immune system, gentrolinestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ARCOOLIO-RESPOSA, 
                                                                                                                                                                                                                                                                                                            13-JUL-2000; 2000US-217950P
17-AUG-2000; 2000WO-US22693
                                                                                                                                                                                                                                                                                                                                                                                       13-JUL-2001; 2001WO-US22238
                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; matrix metalloproteinase 13 (collagenase 3); MMP13; cancer, arthritis; haplotype; single nucleotide polymorphism; SNP; enzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human MMP13 gene allele specific primer SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-MAY-2002
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                                                                                                                                                           WPI; 2002-171797/22
                                                                                                                                                                                                               Finkel K,
                                                                                                                                                                                                                                                                (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W0200206294-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; antiarthritic; gene therapy; chromosome 11q22.3; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 13 BP; 3 A; 6 C; 0 G; 3 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID 52602; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Olek A, Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         methylation status
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designed to detect singl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BPIG-) EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     977 GGAGATGTTGAT 988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11,
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ll; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGAGATGTTGAY 1
                                                                                                                                                                                                        Kliem SE,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       91.7%;
                                                                                                                                                                                                            Messer C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               useful for diagnosis and cell typing, is 
e nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              βP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 11.6; DB 1;
Pred. No. 2.1e+02;
1; Mismatches 0;
                                                                                                                                                                                                        Tanguay DA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 13;
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Query Match
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                                                                                                                                                                                                                                            This invention describes rovel oligonucleotide primers or peptide nucleic scid (PBM) oligonurs for detecting ringle nucleotide polymorphisms (SNP) and cytosiae methylation scatus in chemical nucleotide polymorphisms (SNP) and cytosiae methylation scatus in chemical proteins of concer and a range of diseases including immune system, gestroidesthal, respiratory, cell relatingers are also used for describing and gestroidesthal, respiratory, oligoners are also used for describing call type differences. The ABCOROLIO-REPS9999, ABRONOLIO-REPS9999, ABRONOLIO-REPS999, ABRONOLIO-REPS9999, ABRONOLIO-REPS9999, ABRONOLIO-REPS999, ABRONOLIO-REP
                                                                                                                             Sequence 13 BP; 4 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 1923; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Set of oligonucleotides, useful for diagnosis and cell designed to detect single nucleotide polymorphisms and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP, stagle modeocide polymorphism, human; diagnosis; PNA, cancer; ONS, peptide nucleocide polymorphism, human; diagnosis; PNA, cancer; ONS, peptide nucleocide acid; cycrosine methylation; cardiovascullar; primer; ss; central nervous system; gastrointestinal; respiratory; immune; merabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention provides the cDNA, protein and gene fragments of the human matrix metalloproteinase 13 (Collagenase 3) (Mug13) Also provided are single nucleotide polymorphisms (SNPs) identified within the sequences. The sequences can be used to haplotype an individual and in the treatment of cancer and architits, including metastatic cancers. The present sequence is a PCS primer for the MP13 gene, which is found on chromosome 11(22.3.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-APR-2001; 2001WO-IB00713
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oligonucleotide SEQ ID NO 1923 for detecting SNP TSC0000750.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-FEB-2002
                                                                                                                                                                                                                       ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15 BP; 4 A; 1 C; 2 G; 7 T; 1 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YAATTCAAAATG 3
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                                                                                                                             0 C; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           useful for diagnosis and cell typing,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Berlin K;
                                                                                                                             G; 7 T; 0 other;

    Mismatches

Score 11.4; DB 1;
Pred. No. 2.3e+02;
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Pred. No. 2
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                                  Length 13;
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RESULT 352
AGC01933/C
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ACC AB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID 1924; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Set of oligonucleotides, useful for diagnosis and cell
designed to detect single nucleotide polymorphisms and
methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SWP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; paptide nucleotide polymorphism; human; diagnosis; PNA; cancer; SS; paptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gasrcoinessinal; respiratory; immune; metabolic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2001-657177/75
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mis invention describes novel oligonucleotide primars or peptide nuclei acid (BNA) oligoners for detecting single nucleotide polymorphisms (SNN) and cytosine methylation status in chamically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including simmune system, gentroinestical, respiratory, or an experiment of the contract and methylation of the prince of the contract and methylation. The contract also used far detection and methylation of the prince of ignorers are also used far detection. Belloopy differentiation.

NINGER 1989 ABRONOID -ABROSSIS ABRONOID -AB Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 other; ttp.wipo.int/pub/published\_pct\_sequences.

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RESULT 353
ABC09790
ID ABC097
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AC ABC097
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                                                                                                            Best Local Similarity
                        ABC09790
                                                                              987 ATTTTGAGATTAA 999
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                                                                                                           Score 11.4; DB 1;
Pred. No. 2.3e+02;
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2X2X8X222X2X2X2X
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Best Local Similarity
                       18-OCT-2001
                                                                                                                                                             SWP, stagle nuclectide polymorphism, human, diagnosis, PMs, cancer, CNS, peptide nuclectide acid, cytosite methylation; catidovascular, paimer, ss; central nervous system; gastrointestinal, respiratory; immune; metabolic
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                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 9782 for detecting SNP TSC0002545
                                                                        WO200177384-A2
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Pred. No. 2.3e+02;
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RESULT 355
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range of diseases including immune system, gustrointestinal, respiritory, central nervous system, cardiovascular and metabolic disporters. The oligometra are also used for describing cell type differentiation.

Authorito-Authoritory appresent the oligometra described in the invention. MRIGOTO-Authoritory appresent the oligometra described in the invention. MOTE: The sequence date for this pecent did not form part of the printed specification, but was obtained in electronic format from witpo at specification, but was obtained in electronic format from witpo at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes novel oligonucleotide primers or peptide nucleic acid (PNN) oligomers for detecting single nucleotide polymorphisms (SNP) and cyrosine methylation status in chemically pretracted genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 other;
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                                                                                                ftp.wipo.int/pub/published_pct_sequences.
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0.5%; ٥, Pred. No. Score 11.4; DB Mismatches 2.3e+02; Length 13; Indels 0 Gaps 0

ABC10178 standard; DNA; 13 BP

Oligonucleotide SEQ ID NO 10169 for detecting SNP TSC0002602

SNP; stagde nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleotide polymorphism; buman; diagnosis; PNA; cancer; CNS; peptide nucleid actid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine

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RESULT 356
ABC10179/c

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This invention describes novel oligonuclectide primers or pagaide nucleic acid (PMM) oligomers for detecting single nucleotide polymorphisms (SNP) and cyrosine methylation status in chemically pretreated genomic DNA. The
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RESULT 357
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designed to detect singl
methylation status -
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971 TGTTGTGGAGATG 983
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                                                                BP; 1 A; 0 C; 6 G; 6 T; 0 other;
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Pred. No. 2.
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TGTTGTGGTGATG 13

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RESULT 358
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ABC25676
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ABC00010-ABC39999, ABC00010-ABC99999, ABB00010-ABC9999 and invention.

MBI000110-ABI80073 represent the oligomers described in the invention.

MOTE: The sequence data for this patent did not form part of the printed specification, but was obleathed in electronic format from MTP0 at
                                Oligonucleotide SEQ ID NO 25693 for detecting SNP TSC0006441.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting sligle nucleotide polymorphisms (SNP) and cytosaine methylation status in chemically pretreated genomic ENA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID 19348; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
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SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS
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ABC25676/c
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747 TTATTGATAATAT 759 1 TTAATGATAATAT 13 12; Conservative

WO200177384-A2 central nervous

18-CCT-2001

Oligonucleotide SEQ ID NO 25693 for detecting SNP TSC0006441

20-FEB-2002 ABC25676;

(first entry)

ABC25676 standard; DNA; 13

ВP

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

system; gastrointestinal; respiratory; immune; metabolic

07-APR-2000; 2000DE-1019173

06-APR-2001; 2001WO-IB00713.

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range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The chitomers are also used for descript cell type differentiation. Becommon. The sequence of the description of the suppose association of the suppose association of the suppose supposed to the oligomers described in the invention. NOTE: The sequence dokation by parts of the printed specification, but was obtained in electronic format from MTPD at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide nucleic acid; cytosine methylation; cardiovascular; primer; as; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                This invention describes novel oligonucleotide primers or peptide nucleic acid (PMA) oligoners for detecting single nucleotide polymorphisms (SMP) and cytosaine methylation status in chemically pretreated genomic DMA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID 25693; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                         designed to detect
methylation status
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Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 other;
                                   ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                           Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
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                                                                                                                                                                                                            SNP; single nucleotide polymorphism; human; diagnosis; PRA; cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular; primer; sg central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                    Olek A,
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                                                                                                                                                                                                            and (PRN) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomocleptides are used for disgnosts and/or prognosts of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic discretes. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC9999, ABC0010-ABC9999, ABC0010-ABC9999, ABC0010-ABC9999, TARCONTO CARDESPER ABCONTO COMPARY OF The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at
                                                                                                                                                       Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 other;
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                    1679 ATATTATCTTTAA 1691
1 ATATTATCATTAA 13
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                                                                                             Score 11.4; DB 1;
Pred. No. 2.3e+02;
                                                                        Mismatches
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RESULT 362 ABC25677/c ABC25677; 20-FEB-2002 ABC25677 standard; DNA; 13 (first entry)

SNP; single mucleotide polymorphism; human; diagnosis; PNA; cancer; SNS; peptide nucleot acid; cytosine mechylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic Oligonucleotide SEQ ID NO 25694 for detecting SNP TSC0006441

WO200177384-A2 Homo sapiens

07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713. 18-OCT-2001 (EPIG-) EPIGENOMICS AG

01ek A, WPI; 2001-657177/75 Piepenbrock C, Berlin ×

Claim 1; SEQ ID 25694; 29pp + Sequence Listing; German.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine

methylation status

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNB) and cytosine methylation scatus in clemically precreated genomic DNA. The oligonocieotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastronnestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABRO0010-ABRO9989, ABRO0010-ABRO9989, ABRO0010-ABRO9989, DABRO0010-ABRO9989, DABRO0010

Claim 1;

ID 25694; 29pp +

Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic

Sequence 13 BP; 6 A; 1 C; 0 ç. 6 T; 0 other

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RESULT 364
ABC26113/c
ID ABC261
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ABC26112
ID ABC261
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ABC26113 standard; DNA; 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; SEQ ID 26129; 29pp + Sequence Listing; German
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                                                                                         1 AAGAGATAGAAAT 13
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Pred. No. 2.3e+02;
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Pred. No. 2.3e+02;
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Best Local Similarity
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ABLOOGIO-ABLE99999, ABPOOIO-ABE99989, ABHOOGIO-ABH99989 and the invention.
MILOOGIO-ABLE9073 represent the oligomers described in the invention.
MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format irom MIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes novel oligonucleoride primers or peptide nucleic arcia (PNN) oligoners for detecting single nucleicide polymorphisms (SNP) and cycosine methylation status in chemically pretreated genomic DNA. The oligonucleorides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single mucleotide polymorphisms and cytosine methylation status
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                                                SNP, single mucleotide polymorphism, human; diagnosis; PNN; cancer; CNP, peptide nucleic acid; cytosine methylation, cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratoxy; immune; metabolic
                                                                                                                            Oligonucleotide SEQ ID NO 28405 for detecting SNP TSC0008109
                                                                                                                                                               20-FEB-2002
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                Homo sapiens
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Pred. No. 2.3e+02;
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Matches 12
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                                                                                                                           SNP, single nucleotide polymorphism, human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
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                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes novel oligonuclectide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID 28405; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
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WPI; 2001-657177/75
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                                                                                                             Homo sapiens
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                               EPIGENOMICS AG
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               Piepenbrock C,
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                                                                                                                                                            ID NO 28406 for detecting SNP TSC0008109
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Pred. No. 2.3e+02;
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                                                    Claim 1; SEQ ID 28827; 29pp + Sequence Listing; German
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Query Match
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Pred. No. 2.3e+02;
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# 13 ATAGGGTATGTTA 1

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ABC28810 standard; DNA; 13 Β₽

ABC28810;

(first entry

Oligonucleotide SEQ ID NO 28827 for detecting SNP TSC0008399

SNP; single nucleotide polymorphism; human; diagnosis; PNN; cancer; SNS; peptide nucleotide cadd; cyrosine methylation, cardiovascullar; primer; SNS; peptide nucleotide add; cyrosine methylation; cardiovascullar; primer; SNS; central nervous system; gastrointestinal; respiratory; immune; metabolic

Homo sapiens.

18-OCT-2001

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG

Piepenbrock C,

Berlin K;

Set of oligonucleotides, udesigned to detect single methylation status useful for diagnosis and cell typing, e nucleotide polymorphisms and cytosine

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This invention describes novel oligonucleoride primers or peptide nucleic acid (PNA) oligomers for detecting single nucleicide polymorphisms (SNP) and cycosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gestrointestial, respiratory, central nervous system, cardiovascular and metabolic disorders. The

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Query Match
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Matches 12
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                                                                                                                                       oligomers are also used for detecting cell type differentiation.
AECHOOIL-AB099999, ABTRO010-AB099999, ABH00010-AB199999 and
AELHOOIL-AB199707 represent the oligomers described in the invention.
MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.inr/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Set of oligonuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status -
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                                                                                  Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 other;
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Pred. No. 2.3e+02;
0; Mismatches 1;
Score 11.4; DB 1;
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20-FEB-2002 ABC31997

(first entry)

RESULT 370
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ABC31997

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AAAGAGAAAAGAG 13 Conservative

917 AATGAGAAAAGAG 929

Query Match Best Local Similarity

92.3%;

Score 11.4; DB 1; Pred. No. 2.3e+02; Mismatches

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Sequence 13 BP; 9 A; 0 C; 4 G; 0 U; 0 other;

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                                                                              This invention describes novel oligonucleotide primare or peptide nucleic acid (BNA) oligoners for describing single nucleotide polynomythisms (SNP) and cytosine mathylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gestrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The olither are also used for describing call type differentiation.

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central nervous system; gastrointestinal; respiratory; immune; metabolic
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                                                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism, human; diagnosis, PNA, cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
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                                                                                        18-OCT-2001
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                                    Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
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DB 1;

Length 13 Indels

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Gaps 0

Claim 1;

SEQ ID 32842; 29pp + Sequence Listing; German

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                                                                   SNP, single nucleotide polymorphism; human; diagnosis; PNN, cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; SNS; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                              designed to detect single nucleotide polymorphisms and cytosine methylation status .
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NOTE: The sequence data for this patent did not form part of the printed 
specification, but was obtained in electronic format from WIPO at
ABIOODIO-ABI82073 represent the oligomers described in the invention
NOTS: The sequence data for this patent did not form part of the printed
specification, but was obtained in electronic format from WIPO at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGGTGATGTTATT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGGTTATGTTATT 877
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 11.4; DB 1;
Pred. No. 2.3e+02;
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13

GATTTTAAGATTA 1

Matches

12;

Conservative

0

Mismatches

Indels

0,

Gaps

0

986 GATTTTGAGATTA 998

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RESULT 374
ABC33323/c
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Best Local Similarity
    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                This invention describes novel oligonucleotide primers or peptide muchaic acid (DNA) oligoners for detecting single nucleatide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders The oligoners are also used for detecting cell type differentiation.

BECONDIO ABCOSSES ABRONDIO ABCOSSES, ABRONDIO ABCOSSES and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SNP; single mucleotide polymorphism, human; diagnosis; NNA, cantor; SNS; spetide nucleotide polymorphism, human; diagnosis; NNA, cantor; SNS; peptide nucleot acid; cytosine methylation, cardiovascullar; primer; SNS; central nervous system; gastrointestinal; respiratory; immune; metabolic
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                                                                                  Sequence 13
                                                                                                                                                                     ABIO0010-ABISO073 represent the oligomers described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Set of oligomuleptides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABC33323;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID 33340; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GATTTTAAGATTA 13
                                                                                      BP; 6 A; 2 C; 0 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.5%;
92.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Berlin
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Pred. No. 2.3e+02;
Score 11.4; DB 1;
Pred. No. 2.3e+02;
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                            Length 13;
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RESULT 376
ABC33325/c
ID ABC333
XX ABC333
XX ABC333
XX Oligor
XX Oligor
XX SNP, s
KW peptid
KW centra
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ID ABC
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                                                                                                                                                                                                                        Query Match
Best Local s
Matches 12
                                                                                                                                                                                                                                                                                         SNP; single nucleotide polymorphism, human; diagnosis; PNA; cancer; CNS; peptide nucleic acid, cytosine methylation; cardiovascular; primer; ss; peptide nucleic acid, cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
SWP; single nucleotide polymorphism; human; diagnosis; PWA; cancer; CNS; peptide nucleat acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   methylation status -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Oligonucleotide SEQ ID NO 33341 for detecting SNP TSC0010611
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABC33324 standard; DNA; 13
                                               Oligonucleotide SEQ ID NO 33342 for detecting SNP TSC0010611.
                                                                       20-FEB-2002
                                                                                               ABC33325;
                                                                                                                   ABC33325 standard; DNA; 13
                                                                                                                                                                                                                                                                      Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Set of oligonuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-657177/75
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                                                                                                                                                                                                  986 GATTTTGAGATTA 998
                                                                                                                                                                                                                                                                                                                                                                                                                                               1; SEQ ID 33341; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                          l Similarity
12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Piepenbrock C,
                                                                                                                                                                             GATTTTAGATTA 13
                                                                                                                                                                                                                        0.5%;
milarity 92.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                       (first entry)
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                                                                                                                   ВÞ
                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                        Score 11.4; DB 1;
Pred. No. 2.3e+02;
0; Mismatches 1;
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                                                                                                                                                                                                                                              Length 13;
                                                                                                                                                                                                                          Indels
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밁 S

18-OCT-2001 WO200177384-A2 Homo sapiens.

07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713

(EPIG-) EPIGENOMICS AG

Oligonucleotide SEQ ID NO 34331 for detecting SNP TSC0010963.

SNP, single nucleotide polymorphism; human; diagnosis; PNN, cancer; CSP; peptide nucleic acid; cytosine methylation; cardiovascular; primer; CSP; central nervous system; gascrointestinal; respiratoxy; immune; metabolic

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ABC34314
                                                                                                                                                                                                                                                                                                                                                  RESULT 377
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardivouscular and metabolic disorders. The chiggment are also used for descriting cell type differentiation. accompose as several content of the properties of the properties. ARTOMOTO-NEGS999, ARTOMOTO-NEGS9999, ARTOMOTO-NEGS9999, ARTOMOTO-NEGS9999, ARTOMOTO-NEGS9999, ARTOMOTO-NEGS9999, ARTOMOTO-NEGS999, ART
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes novel oligonucleotide primers or peptide nucleic plant (PNA) oligonars for detecting single nucleotide polymorphisms (SNP) and cycogine methylation status in chemically pretreated genomic DNA. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID 33342; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Olek A,
                                                                                                             ABC34314;
                                                                                                                                                                                                                                    ABC34314 standard; DNA; 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ftp.wipo.int/pub/published_pct_sequences.
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        20-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         986 GATTTTGAGATTA 998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 GATTTTTAGATTA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
(first entry)
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Pred. No. 2.3e+02;
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RESULT 378
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The
                                                                                                                                                        Set of oligonuclectides, useful for diagnosis and cell typing designed to detect single nucleotide polymorphisms and cytosine methylation status
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oligonuclectide SEQ ID NO 34332 for detecting SNP TSC0010963.
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                                                                                                     Claim 1; SEQ ID 34332; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                     Piepenbrock C,
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                                                                                                      This invention describes novel oligonuclastide primary or peptide nucleic acid (RNA) oligonary for detecting single nucleatide polygonyhams (SNP) and cytosine methylation status in claimacally pretreated genomic plus, The aligonucleotides are used for disposis and/or progressional, respiratory, and a support olices are used for disposis and/or progressional, respiratory, and as per control progressional, respiratory, and as a support of the primary of the control and acid of the control of the control of the primary of the primary of the control of the primary of the primary of the control of the primary of the control of the primary of the control of the primary of the primary of the control of the primary of the control of the primary of the pr
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SNB, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CN8; peptide nucleic acid, cytosine methylation; carddovaschiat; primer; seg peptide nucleic acid, cytosine methylation; carddovaschiat; primer; seg central nervous system; gastrointestinal; respiratory; immune; metabolic
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      Sequence 13 BP; 4 A;
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Pred. No. 2.3e+02;
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RESULT 381
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ABC36823/c
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                                                                                                                                                                                 Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status .
                                                                                                                                                                                                                                                                                                                                                                                            Olek A,
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 ABC39158
                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 36840; 29pp + Sequence Listing; German
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                     ABC39158 standard; DNA; 13 BP
                                                                                                                                                       Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 other;
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Similarity 92.3%;
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Pred. No. 2.3e+02;
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Best Local Similarity 92.3%;
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                              Homo sapiens
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SNRy, single nucleotide polymorphism; human; diagnosis; PNN, cancer; CNS;
peptide nucleot acid, cyrosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; mctabolic
                                                                                                                                                                                                                                             Oligonucleotide SEQ ID NO 39175 for detecting SNP TSC0012022
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Set of oligonuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine

Claim 1; SEQ ID 39175; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primary or peptide nucleis cald (RMA) oligoners for detecting single outlevide polymorphisms (SNP) and opposits new primary cald (RMA) oligoners for detecting single outlevide polymorphisms (SNP) and opposits permarked permarked primary calls of the primar Norg: The sequence dies for this prient did not form part of the printed specification, but was obtained in electronic format from MIPO at ftp. wipo.int/pub/published\_pot\_sequences.

Score 11.4; Pred. No. 2. Mismatches ; DB 1; 2.3e+02; Length 13; Indels 0

0

Oligonucleotide SEQ ID NO 39176 for detecting SNP TSC0012022.

central nervous system; gastrointestinal; respiratory; immune; metabolic SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

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RESULT 383
ABC39592/c
ID ABC395
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WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism, human; diagnosis; PNR; cancer; CNR; psptide nucleotide polymorphism, human; diagnosis; PNR; cancer; SNR; psptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
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Pred. No. 2.3e+02;
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Matches
                     Query Match
Best Local
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ABCOMOID-ABC99999, ABF0MOID-ABE99999, ABHMOMOID-ABH99989 and the invention.

MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from HTPO at
                                                                                                                                                                                                                                                                                               and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                designed to detect single nucleotide polymorphisms and cytosine methylation status \ \boldsymbol{\cdot}
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                                                                                   Sequence
                                                                                                                        ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                          invention describes novel oligonucleotide primers or peptide nucleic (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
                        Similarity
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                                                                                   BP; 3 A; 0 C; 1 G; 9 T; 0 other;
Conservative
                        92.3%;
                                           0.5%;
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                     Score 11.4; DB 1;
Pred. No. 2.3e+02;
Mismatches
                                        Length 13;
Indels
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937 ACTAAAAATAAGT 949

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RESULT 384 ABC39593

ABC39593 standard; DNA; 13 BP

ABC39593;

20-FBB-2002 (first entry

Oligonucleotide SEQ ID NO 39610 for detecting SNP TSC0012105

central nervous system; gastrointestinal; respiratory; immune; metabolic. SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

Homo Bapiens.

WO200177384-A2

18-OCT-2001

06-APR-2001; 2001WO-IB00713.

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG

Piepenbrock C, Berlin 7

WPI; 2001-657177/75

methylation status designed to detect single nucleotide polymorphisms Set of oligonucleotides, useful for diagnosis and cell typing, and cytosine

Claim 1; SEQ ID 39610; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic acid (RNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cyrcosine methylation seatus in chemically pretreated genomic DNA. The oligomorphisms are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders The oligomers are also used for detecting cell type differentiation.

ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and

Set of oligonucleotides, useful for diagnosis and cell typing,

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                                                                                                                                                Sequence
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NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at
                                                                                      Local Similarity
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        TTATTGATAATAT 759
                                                                                                                                             13 BP; 4 A; 0 C; 1 G; 8 T; 0 other;
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92.3%;
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Pred. No. 2.3e+02;
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Pred. No. 2.3e+02;
                                                                  Mismatches
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                                                            Gaps
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                                                                                                                                                      RESULT 387
ABC48782
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Query Match Best Local : Matches

Similarity

0.5%;

Score 11.4; DB 1; Pred. No. 2.3e+02; Mismatches

Length 13; Indels

0;

Gaps 0

Conservative

0.

ftp.wipo.int/pub/published\_pct\_sequences.

Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 other;

This invention describes novel objounce ordered by primary or peptide nucleic acid (PNA) oligomers for detecting single nucleatide polynophisms (SNP) and cyrosine methylation status in chemically poterasted genomic DNA. The oligomulectides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gestrointestinal, respiratory, central nervous system, conditionate and metholic disorder. The oligomers are also used for describing cell type differentiation.

MINIORAL PROGNOS ASSOCIATED ASSOCIATED

Claim 1; SEQ ID 45670; 29pp + Sequence Listing; German

methylation status -

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine

Olek A,

Piepenbrock C,

Berlin K;

WPI; 2001-657177/75

Oligonucleotide SEQ ID NO 48799 for detecting SNP TSC0013865.

21-FEB-2002 ABC48782;

(first entry)

ABC48782 standard; DNA; 13 BP

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RESULT 386
ABC45653/c
ID ABC456
                                                                                                                                                                                                                                                                                                        SNP, stroje nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleotide catid. Gytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide SEQ ID NO 45670 for detecting SNP TSC0013276.
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(EPIG-)
                                              07-APR-2000; 2000DE-1019173
                                                                                                 06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                          WO200177384-A2
                                                                                                                                                                                                                                                                 Homo sapiens.
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BPIGENOMICS AG
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RESULT 388
ABC48783/c
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Best Local S
Matches 12
                         07-APR-2000; 2000DE-1019173
                                                                                           06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                                                                                                                                                                             SNP; single nucleotide polymorphism; human; diagnosis; pRA; cance; CNS; peptide nucleotide polymorphism; human; diagnosis; pRA; cance; CNS; peptide nucleot acid; cyctosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oligomic leotides are used for diagnosis and/or prognosis of camer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC9999, ABF0010-ABC9999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC9999, ABF0010-ABC99999, ABF0010-ABC9999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC9999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC99999, ABF0010-ABC9999, ABC9010-ABC9999, ABF0010-ABC9999, ABF0010-ABC99999, ABC9010-ABC9999, ABC9010-ABC99999, ABC9010-ABC9999, ABC9010-ABC99999, ABC99999, ABC99999, ABC99999, ABC99999, ABC99999, ABC999999, ABC999999, ABC99999, ABC999999, ABC99999, ABC99999, ABC999999, ABC99999, ABC9999999, ABC999999, ABC999999, ABC99999999, ABC9999999, ABC999999, ABC999999, ABC999999, ABC999999, ABC999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes novel oligonucleoride primers or pertide nucleic acid (PNN) oligoners for detecting single nucleicide primers and extensive single nucleicide primers (SNP) and cytoline methylation status in chemically pretreated genomic DNN. The
                                                                                                                                                                                                                                    W0200177384-A2
                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oligonucleotide SEQ ID NO 48800 for detecting SNP TSC0013865.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABC48783 standard; DNA; 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; SEQ ID 48799; 29pp + Sequence Listing; German
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12; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AATAGGTTTTGTT 13
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Pred. No. 2.3e+02;
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RESULT 189
ABC74124
ABC74124
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                                                                                                                  Matches 12;
                                                         Query Match
Best Local Similarity
                                                                                                                                          and cyrosine methylation status in chemically pretracted general and cyrosine methylation status in chemically pretracted general and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation.

BECORDIO-ABECO9313 represent the oligomers described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at fifty wipo.int/pub/published_pot_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Olek A,
                                                                                                               Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Set of Oligonuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status -
                                                                                                                                                                                                                                                                                                                                   This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP)
                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 48800; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-657177/75
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  862 AATAGGITATGIT 874
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                                        Conservative
                                                      92.3%;
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                                                      Score 11.4; DB 1;
Pred. No. 2.3e+02;
                                      Mismatches
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                                                                         Length 13;
                                   Indels
                                   0,
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SNP; single nucleotide polymorphism; hunan; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic

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Homo sapiens.
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WO200177384-A2

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18-CCT-2001,
06-APR-2001; 2001WO-IB00713.
07-APR-2000; 2000DB-1019173.
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Colek A, Piepenbrock C, Berlin K;
X
R WPI; 2001-657177/75.
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(EPIG-) EPIGENOMICS AG.

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T Set of Oliopuncheridas, useful for diagnosis and cell typing, is
n designed to detect single nucleotide polymorphisms and cytosine
methylation status
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Claim 1; SEQ ID 74341; 29pp + Sequence Listing; German
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ABC74325/c
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                      This invention describes novel oligonucleotide primers or peptide nucleic acid (BNA) oligoners for detecting single nucleotide polymorphisms and and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for discossis and/or progness of cancer, and a range of discesses including immediate and metabolic disorders. The central nervous system control discribes. The control of the princed specification, but with so dailed in electronic format from HTD at the control of the control of the control of the princed specification, but with so dailed in electronic format from HTD at
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ABG00010-ABG299999, ABG00010-ABE399999, ABH00010-ABH99989 and invention.

ABG00010-ABH8003 represent the oligomers described in the invention.

NOTS: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from MIPO at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID 74342; 29pp + Sequence Listing; German
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ftp.wipo.int/pub/published_pct_sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP; single mucleotide polymorphism; human; diagnosis; PNA; cancer; CSR; peptide nucleotide acid; cytosine methylation; cardiovascular; primer; CSR; central nervous system; gastroinuestinal; respiratory; immune; metabolic
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Pred. No. 2.3e+02;
0; Mismatches 1;
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Gaps 0

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RESULT 395
ABC85228/c
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NICHOLOGICAL SESPICES ARROUND ARRO
                                    This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosiams methylation status in chemically pretreated genuic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                  set or origonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Olek A,
                                                                                                                                                                                                                         Claim 1; SEQ ID 85245; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (EPIG-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       I'I'M
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single nucleotide polymorphism, human; diagnosis; PNA; cancer; CNS;
ide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
iral nervous system; gastrointestinal; respiratory; immune; metabolito.
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of diseases including immune system, gastrointestinal, respiratory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13
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ABC85229
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         Oligonucleotide SEQ
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                                                                                                                                                  21-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                 DNA; 13
ID NO 85246 for detecting SNP TSC0021439
                                                                                                                                        entry
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Pred. No. 2.3e+02;
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set or oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status 07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713. SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; WPI; 2001-657177/75 (EPIG-) 18-OCT-2001 WO200177384-A2 Homo sapiens. nervous EPIGENOMICS AG Piepenbrock C, system; gastrointestinal; respiratory; immune; metabolic Berlin ×

Claim 1; SEQ ID 85246; 29pp + Sequence Listing; German

mis invertion describes novel oligonulastide primers or peptide nuclaic acid (DNA) cligoners for describe gaingles nuclastide polymorphisms (SNA) and cyrosine mathylation attents (associated polymorphisms (SNA). The cligonucleotides are used storidagnosis and/or prognosis of cancer and a range of diseases including immunelly seem gaschitestinal, respiratory, and comital herooms system, calciumated and metabolicastinal, respiratory, oligoners are also used for describer and metabolicastinal conditions. Oligoners are also used for describer and metabolicastinal conditions (1900) and (1900) Sequence 13 ftp.wipo.int/pub/published\_pct\_sequences. B₽; 8 A; 2 C; 0 G; 3 T; 0 other;

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Query Match
Best Local Similarity
Matches 12; Conserva
   Conservative
           92.3%;
                      0.5%;
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Pred. No. 2.3
0; Mismatches
                    Score 11.4, DB 1;
         2.3e+02
                    Length 13;
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RESULT 398
ABC87325/c
ID ABC873
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ABC87324
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                                                                                                                                     Query Match
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Matches 12; Conserv
   21-FEB-2002 (first entry)
                                                                                                                                                                                           This invention describes novel oligonuclostide primary or peptide muleic acid (BNA) oligoners for detecting sigle nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for dispossis and/or prognosis of cancer and a range of diseases including immune system, gattrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABIO0010-ABIO9399, ABIO0010-ABIO9399, ABIO0010-ABIO9399, and ONTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at fip.wipo.int/pub/published_pot_sequences.
                        ABC87325;
                                                                                                                                                                                                                                                                                                                                                       Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status -
                                          ABC87325 standard; DNA; 13
                                                                                                                                                                            Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID 87341; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               central nervous system; gastrointestinal; respiratory; immune; metabolic
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                                                                                                               744 GGATTATTGATAA 756
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                                                                                                                                      Conservative
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                                                                                                                                              Score 11.4; DB 1;
Pred. No. 2.3e+02;
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Oligonucleotide SEQ ID NO 87342 for detecting SNP TSC0021970
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SNP, stagle nucleotide polymorphism; human; diagnosis; PNA; carcer; CNS; paptide nucleot actid, cytostine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic

Homo sapiens

WO200177384-A2

06-APR-2001; 2001WO-IB00713 18-OCT-2001

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG

Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75

Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 87342; 29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNN) oligoners for describing single nucleicide polymorphisms (SNP) and cyrosine mathylation status in chemically prescribe genomic pNN. The oligonucleotides are used for disponsic and/or prognosis whom the contrast including immune system, gentrointestinal, respiratory, central nervous system, cardiovascular and metabolic disportees. The ciliponers are also used for describing call type differentiation.

1013cm/srr are also used for describing call type differentiation.

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1013cm/srr are also used for describing call type differentiation.

Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 other; ftp.wipo.int/pub/published\_pct\_sequences.

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0.5%;
Best Local Similarity 92.3%;
Matches 12; Conservative
744 GGATTATTGATAA 756
                                0;
                                          Score 11.4; DB 1;
Pred. No. 2.3e+02;
                                Mismatches
                                                      Length 13;
                              0
                              Gaps
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0

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RESULT 399
ABC89774/c
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13

GGATTATTGATTA 1

ABC89774 standard; DNA; 13 BP

21-FEB-2002 (first entry)

Oligonucleotide SEQ ID NO 89791 for detecting SNP TSC0022507

SNP, stagle muclectide polymorphism, human; diagnosis, pNA, cancer; CNS; peptide muclect acid; cyteosine methylation; cardiovascular, primer; ss; central nervous system, gastrointestinal; respiratory; immune; metabolic

Homo sapiens

WO200177384-A2

18-OCT-2001

Length Indels

0

Gaps 0

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ABCS99775

ID BABCS9775

ID BABCS9775

ID CALL

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Set of oligonucleotides, useful for diagnosis and cell designed to detect single nucleotide polymorphisms and methylation status
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SNP; single nucleoride polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic
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Pred. No. 2
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                                                         This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleic describe polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gentrointestinal, respiratory, central nervous system, cardiovascular and metabolic discrete: The oligoners are also used for desecting cell type differentiation.

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Pred. No. 2.3e+02;
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ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             specification, but was obtained in electronic format from WIFO ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                    Sequence 13 BP; 7 A; 0 C; 0 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (EPIG-)
                                                                                         747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              747 TTATTGATAATAT 759
                                13
                                                                                                                                          12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 TTATTAATAATAT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.5%;
| Similarity 92.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EPIGENOMICS AG
                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Piepenbrock C,
                                                                     TTATTGATAATAT 759
                                    TTATTAATAATAT 1
                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                      0.5%;
92.3%;
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                                                                                                                                          0;
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Pred. No. 2.3e+02;
                                                                                                                                                                      Score 11.4; DB 1;
Pred. No. 2.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                          Mismatches
                                                                                                                                                                                               Length 13;
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ABF05663/c
ID ABF056
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ABF05662
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SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                         Oligonucleotide SEQ ID NO 105660 for detecting SNP TSC0026485
                                                                                                                                      21-FEB-2002
                                                                                                                                                                                               ABF05663;
                                                                                                                                                                                                                                                ABF05663 standard; DNA; 13
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designed to detect single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                          1 TGAGGTTTATTGA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry
                                                                                                                                  (first entry)
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밁 Q

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Query Match 0.5%; Score 11.4; DB 1; Best Local Similarity 92.3%; Pred. No. 2.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes novel oligonous leavise primers or peptide multiple and (IRMA) oligoners for describing single numberide polynophisms (NPP) and cytosine methylation status in chemically prescrated genomic DNA. The oligonous for disposals and/or prognosis of cancer and a componient of cancer and a componient of cancer and a range of diseases including immune system, gentrolineshind, respiratory, central nervous system, cardiovascentar and metabolic disorders. The control nervous system, cardiovascentar and metabolic disorders. The control nervous system, cardiovascentar and metabolic disorders. The control nervous system of diseases in the system special type differentiation.

MERICONIO-ABIGRATIA appressant the oligonous described in the invention.
                                                                                                                                                                                                      Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                       ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                          NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; SEQ ID 105659; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide SEQ ID NO 105659 for detecting SNP TSC0026485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            useful for diagnosis and cell typing,
       Mismatches
                                                                                               Length 13;
       Indels
0;
Gaps
       0
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RESULT 405
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes novel oligonucleocide primers or peptide nucleic acid (PMA) oligonaris for detecting single nucleocide polymorphisms (SNP) and cytosine methylation setted in chamically pretreated genomic DNA. The oligonucleocides are used for disposes and/or progness of cancer; and a central nervous system conditions in the control of control contro
                                                                              06-APR-2001; 2001WO-IB00713.
                                                                                                                                                                                                                                      central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                              SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
     (EPIG-) EPIGENOMICS AG
                                           07-APR-2000; 2000DE-1019173
                                                                                                                             18-OCT-2001
                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                        Oligonucleotide SEQ ID NO 108229 for detecting SNP TSC0027101
                                                                                                                                                                                                                                                                                                                                                                    21~FEB-2002
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                                                                                                                                                                WO200177384-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABF08232 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; SEQ ID 105660; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Set of oligonucleotides,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-657177/79
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (EPIG-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   central nervous system; gastrointestinal; respiratory; immune; metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   onucleotides, useful for diagnosis and cell typing, is detect single nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92.3%;
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Pred. No. 2.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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hes 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                           primer; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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ABF08233/c
ID ABF082
엉
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Best Local
                                                 Claim 1; SEQ ID 108230;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABF08233;
                                                                                          methylation status -
                                                                                                                                                                         WPI; 2001-657177/75
                                                                                                                                                                                                               Olek A,
                                                                                                                                                                                                                                                                                                                                                                            18-CCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                     WO200177384-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-657177/75
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                                                                                                                                                                                                                                                     EPIGENOMICS AG.
                                                                                                                                                                                                            Piepenbrock C,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                            Berlin K,
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Set of oligomucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status -
Claim 1; SEQ ID 108229; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                          Berlin K;
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This invention describes novel obiopopulsoride primers or peptide nucleic acid (PNA) oligomers for describe giopopulsoride primers or peptide nucleic acid (PNA) oligomers for describe giopopulsoride size and organizate describe size of the primers and organizate describes are used for diagonais and/or propoposis of concer and a range of diseases including immune system, gestrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The exploration of the system of the primers are also used for describe call probability distribution.

NOTES, The sequence data for this picton did not form part of the printed specification, but was for this picton did not form part of the printed frecitories for the printed frecitories for the printed frecitories of the printed frecitories of the printed frecitories for the printed frecitories of the printed frecitories for Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 other; ftp.wipo.int/pub/published\_pct\_sequences.

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666 AGAGGGTTTACTT 678
                             92.3%;
                    0
                             Score 11.4; DB 1;
Pred. No. 2.3e+02;
                    Mismatches
                                    Length 13;
                    Indels
                    0,
                  Gaps
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0,

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ABF08233 standard; DNA; 13 BP
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Oligonucleotide SEQ ID NO 108230 for detecting SNP TSC0027101

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SNP, single nucleotide polymorphism; human; diagnosis, PNA; cancer; ONS; peptide nucleotide polymorphism; human; diagnosis, PNA; conter; ONS; peptide nucleic acid; cytosis neublyalcion; cardiovascular, primer; ss; central nervous system; gastrointestinal; respiratory; limmune; mccabolic

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07-APR-2000; 2000DE-1019173
                                                 06-APR-2001; 2001WO-IB00713.
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Set of oligonucleotides, useful for diagnosis and cell designed to detect single nucleotide polymorphisms and
    cell typing, is and cytosine
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29pp + Sequence Listing; German

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

8 S

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RESULT 407
ABP14006
XX
ABP1400
XX
ABP1400
XX
ABP1400
XX
ABP1400
XX
ABP1400
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ABP1400
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ABP140

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Best Local S
Matches 12
                                                                     This invention describes novel oligonucleotide primers or peptide nucleic acid (DNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine methylation satus in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABC00010-ABE09999, ABF00010-ABE99999, ABF00010-ABE99999, ABF00010-ABE99999, ABF00010-ABE99999, ABF00010-ABE99999, ABF00010-ABE9999, ABF00010-A
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Pred. No. 2.3e+02;
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                                                                                                                                                                                                                                                     This invention describes rovel oligonucleotide primers or peptide nuclei acid (BNA) oligoners for detecting single nucleotide polynophisms (SND) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a control of diseases standhing memore system, gentroinestinal, respiratory, central nervendes cardiovascular and metabolic disorders. The control nervendes of cardiovascular and metabolic disorders. The collisioners are also assessed or descenting cell type differentiation. Oligoners are also assessed or descenting cell type differentiation. Matterial and control represent the oligoners described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIDO at
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     WO200177384-A2
                                         Homo sapiens
                                                                            SNP, sligle nucleotide polymorphism, human; diagnosis; PNA, cancer; CNS, psptide nucleot acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metaboolic
                                                                                                                                                        Oligonucleotide SEQ ID NO 114056 for detecting SNP TSC0028548
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Pred. No. 2.3e+02;
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                                                    Olek A,
                                                                                                                                                                                                                                                                                                                                  SNP; single nucleotide polymorphism; human; diagnosis; PNN; cancer; CNS; peptide nucleot acid, cytosine methylation; cardiovascular; primer; SS; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide SEQ ID NO 115353 for detecting SNP TSC0028921
                 WPI; 2001-657177/75
                                                                                                                                   07-APR-2000; 2000DE-1019173
                                                                                                                                                                            06-APR-2001; 2001WO-IB00713
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EPIGENOMICS Piepenbrock C,

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21-FEB-2002
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useful for diagnosis and cell typing, is

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                                                                                                                                                                                                                         Claim 1; SEQ ID 115354; 29pp + Sequence Listing; German
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methylation
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Pred. No. 2.3e+02;
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range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic discorders. The oligomers are also used for detecting cell type differentiation.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              designed to detect single nucleotide polymorphisms and cytosine methylation status .
Oligonucleotide SEQ ID NO 119867 for detecting SNP TSC0029917.
                                                                           21-FEB-2002
                                                                                                                                                 ABF19870
                                                                                                                                                                                                                      ABF19870 standard;
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Set of oligonuclectides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status
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                                                                                                                                                                                                   useful for diagnosis and cell typing, is
                                                                                                                                                                                                                                               Berlin K;
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This invention describes novel oligonucleotide primers or peptide nucleic active (PNA) oligoners for detecting single nucleotide plymorphisms (NR) and cytosite methylation status in chemically pretracted genemic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 other; :tp.wipo.int/pub/published\_pct\_sequences.

Claim 1;

SEQ ID 119867; 29pp + Sequence Listing; German.

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ABF19871
                                   RESULT 416
ABF19871 standard; DNA; 13 BP.
                                                                                                                       1028 AAAATTTCCAAGC 1040
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Matches Best Local Similarity Query Match

Conservative

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92.3%;

Pred. No. 2.3e+02; Score 11.4; DB 1; Mismatches

Length 13; Indels

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Oligonucleotide SEQ ID NO 119868 for detecting SNP TSC0029917 21-PEB-2002 (first entry)

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; ectu; cycosine metnyiation; cardiovascular; primer; ss; system; gastrointestinal; respiratory; immune; metabolic

WO200177384-A2 Homo sapiens.

06-APR-2001; 2001WO-IB00713.

18-OCT-2001

Length 13

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SNP; single nucleotide polymorphism; human diagnosis; PRA; primer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular, primer; ss; central nervous system; gastrointestinal; respiratory; immune; metablot;
                             Claim 1, SEQ ID 122701; 29pp + Sequence Listing; German
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                                                                                                                                                                                                      WPI; 2001-657177/75
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Pred. No. 2.3e+02;
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Matches 12
This invention describes provel oligonucleotide primers or peptide muclaic acid (BNA) oligomers for detecting single nuclacide polymorphisms (SNP) and cytosine methylation status in chamcally precreated genomic DNA. The oligonucleotides are used for disposals and/or prognosis of cancer and a range of disposes including immune system, gastrointeetinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99399, ABC00010-ABC99399, ABC00010-ABC99399, ABC00010-ABC99399, aBC0010-ABC99399, aBC0010-ABC9
                                                                                                                                                                                                                                                                                                                                                                                                                                      designed to detect single nucleotide polymorphisms and cytosine methylation status -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  746 ATTATTGATAATA 758
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2.3e+02;
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Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 other;

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                                                                                                                                                                                                                                                                                     This invention describes novel oligonucleotide primary or pectide nuclei acid (DNA) oligonary for detecting single nucleotide polymorphisms (SNB) and cytosine methylation status in chemically pretroated genetic UNA. The oligonucleotides are used for disgonists and/or prognosis of cancer and a range of diseases including immune system, gastrolinestanl, respiratory, central nervous system, outdownscular and metabolic disorders. The oligonarys are also used for detecting call type differentiation.

NETROJOL-NETS9995, Appropriate the oligonarys described in the invention.

NOTE: The sequence data for this patient did not form part of the printed specification, but was obtained in electronic formatt from NIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status -
                                                                                                                                                                                                                                    Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 other;
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Pred. No. 2.3e+02;
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ABP2328

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Oligonucleotide SEQ ID NO 123280 for detecting SNP TSC0030824.
                                                         21-FEB-2002
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                                                         (first entry)
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SNP; single nucleotide polymorphism; human; diagnosis; RNA; cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascullar; primer; SN; central nervous system; gastrointestinal; respiratory; immune; metabolic.

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06-APR-2001; 2001WO-IB00713.
                                                                     WO200177384-A2
                                     18-OCT-2001
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Olek A, (EPIG-) EPIGENOMICS AG Piepenbrock C, Berlin K;

Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status 18

Claim 1; SEQ ID 123280; 29pp + Sequence Listing; German

and cytogine methylation etatus in chemically pretreated genomic UNA. The oligonal product and are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gentrointestinal, respiratory, central nervous system, andiovascular and metabolic disordors. The oligonary are also used for detecting call type differentiation.

Accompto. Accomps. Astronot. Aggresses, Astronot. Assenses Astronoto-Astropasses. ABIOOOLO-ABI82073 represent the oligomers described in the invention. MOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) ftp.wipo.int/pub/published\_pct\_sequences.

Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 other;

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12; Conser
 Conservative
        92.3%;
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Pred. No. 2.3e+02;
0; Mismatches 1;
               Score 11.4; DB 1;
                Length 13;
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982 TGTTGATTTTGAG 994
13
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ABF23290 standard; DNA; 13 B

21-FEB-2002 (first entry)

Oligonucleotide SEQ ID NO 123287 for detecting SNP TSC0030825

SNR; strajle nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleot acid; cytosine methylation; cardiovascular; primer; so; central nervous system; gastrointestinal; respiratory; immune; metabolic;

RESULT 420

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0.5%;
Best Local Similarity 92.3%;
Matches 12; Conservative
     Olek A,
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Pred. No. 2.3e+02;
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This invention describes novel oligonucleotide primares or peptide nucleic acid (PNA) oligoners for detecting single nucleatide polymorphisms (NMP) and cycosine methylation status in chemically pretracted genomic DNA The oligonate that are used for diagnosis and/or prognosis of concer and a range of diseases including immune system, gestrointestinal, respiratory, central nervous system, availousecular and metabolic disordates. The oligoners are also used for descriing call type differentiation.

MICHAEL The sequence data for this plagment described in the invention. MOTES The sequence data for this placent did not form part of the printed specification, but was obtained in electronic format from MICP at the printed specification, but was obtained in electronic format from MICP at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID 123288; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             designed to detect single nucleotide polymorphisms and cytosine methylation status -
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Matches Query Match Best Local : Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 other; 987 ATTTTGAGATTAA 999 13 ATTTTGAGGTTAA 1 12; Similarity Conservative 92.3%; ٥, Score 11.4; DB 1; Pred. No. 2.3e+02; Mismatches Length 13; Indels 0, Gaps 0;

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RESULT 423 ABF26076 Oligonucleotide SEQ ID NO 126073 for detecting SNP TSC0031546. 21-FEB-2002 ABF26076 ABF26076 standard; DNA; 13 (first entry)

SNP, single nucleotide polymorphism; human; diagnosis, PNA, cancer; CNS; peptide nucleot acid, cytosine methylation: cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic

WO200177384-A2 Homo sapiens.

07-APR-2000; 2000DE-1019173 06-APR-2001; 2001WO-IB00713

Olek A, (EPIG-) EPIGENOMICS AG Piepenbrock C, Berlin ~

WPI; 2001-657177/75

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status -

Claim 1; SEQ ID 126073; 29pp + Sequence Listing; German

This invention describes novel oligomuoleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomucleotides are used for diagnosis and/or prognosis of cancer and a

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RESULT 424
ARP56077/6
XX ARP560776
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes rovel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cyrosine methylation scarue in Chemically pretreated genomic DNA. The oligonucleotides are used for disponsis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABC00010-ABC99989, ABC00010-ABC99899, aBC00010-ABC998999, aBC00010-ABC999999, aBC00010-ABC99999, aBC00010-ABC999999, aBC00010-ABC999999, aB
                                                                                                                                                                          Sequence 13 BP; 7 A;
                                                                                                                                                                                                                                                                                                                  ABIOOOLO-ABISOOTS represent the oligomers described in the invention. NATIS: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID 126074; 29pp + Sequence Listing; German
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Score 11.4; DB 1;
Pred. No. 2.3e+02;
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RESULT 426 ABF28363/c ID ABF283

ABF28363 standard; DNA; 13

ΒP

ABF28363

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981 ATGTTGATTTTGA 993

AAGTTGATTTTGA 13

Matches Best Query Match

12;

Conservative

0

Local Similarity

0.5%;

Score 11.4; DB 1; Pred. No. 2.3e+02; Mismatches

Length 13; Indels

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Gaps

0

Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 other;

"tp.wipo.int/pub/published\_pct\_sequences.

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RESULT 425
ABF28362
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This invention describes novel oliconvolactide primers or peptide nucleic acid (PWA) oliconers tor detecting said nucleotide polymorphisms (SNP) and cytosize methylation status and page and cottage of morphisms (SNP) and cytosize methylation status and processed generic DNA. The oligonaria control of account and a central nervous system, cardiovascular and methylation in the central nervous system, cardiovascular and methylation. The account of the central nervous system, cardiovascular and methylation. The company of the central nervous system and control type difficultion. The sequence of the control of the central control of the central nervous system and control of the central nervous system of the central control of the central nervous system of the central nervous syste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Set of oligonucleotides, useful for diagnosis and cell typing, designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 128359; 29pp + Sequence Listing; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-APR-2001; 2001WO-IB00713.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SNP; single nuclectide polymorphism; human; diagnosis; PNN; carcer; CNS; peptide nuclectide polymorphism; human; diagnosis; primer; ss; central nervous system; pastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligonucleotide SEQ ID NO 128359 for detecting SNP TSC0032157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          useful for diagnosis and cell typing, is
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닭 S